

FILE NOTATIONS

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

Checked by Chief *PMB*
Approval Letter *12.12.69*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *1-13-70*
DW..... WW..... TA.....
GW. ✓ OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log *1-39-70*
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

11-6-90 Notice of Intent of Abandon

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(OTHER USES OR
reverse)

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
Kenneth D. Luff - Holmes P. McLish

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 1300 fwl x 2400 fsl (NW SW)
At proposed prod. zone *NE NWSW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Vernal 15 miles North

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1300'

16. NO. OF ACRES IN LEASE 1200

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3700*

19. PROPOSED DEPTH 3800' *Uinta*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4918 ung. grd.

22. APPROX. DATE WORK WILL START*
December 12, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" ✓	24# ✓	250' ✓	150 sacks (circ.) ✓
7 7/8"	4 1/2" ✓	9 1/2# ✓	3800' ✓	200 "

Propose to drill 250' of 12 1/4" hole and set 250' of 8 5/8" surface casing. Nipple up Schaffer double hydrolic BOP and test same. Drill 7 7/8" hole to 3750 maintaining proper mud weight to protect against 1700 psi gas bearing sands below a depth of 3100. Check BOP on each tour. Run IES log at total depth. If indicated to be productive, run 9 1/2# 4 1/2" casing and complete as well.

✓ An exception to Rule C3(b) is requested for this location as it is about 4300' from the Luff-McLish #1 Short Federal (SW NW Sec. 4, T7S, R21E) and 4250' from Luff-McLish #1 Lingelbach (SE SE Sec. 29, T6S, R21E) both completed as Uinta gas wells.

This exception is requested under the provisions of Rule C3(c) 1 & 2 as the necessity is based on topographic conditions and the leases affected by the proposed well are controlled by applicants. ✓

*Green River oil well - not completed as Uinta gas well. ✓

Blanket Bond is held by the Operator in the State of Utah.
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 *Kenneth D. Luff* TITLE Operator DATE _____

(This space for Federal or State office use)

PERMIT NO. 43-047-30013 APPROVAL DATE _____

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

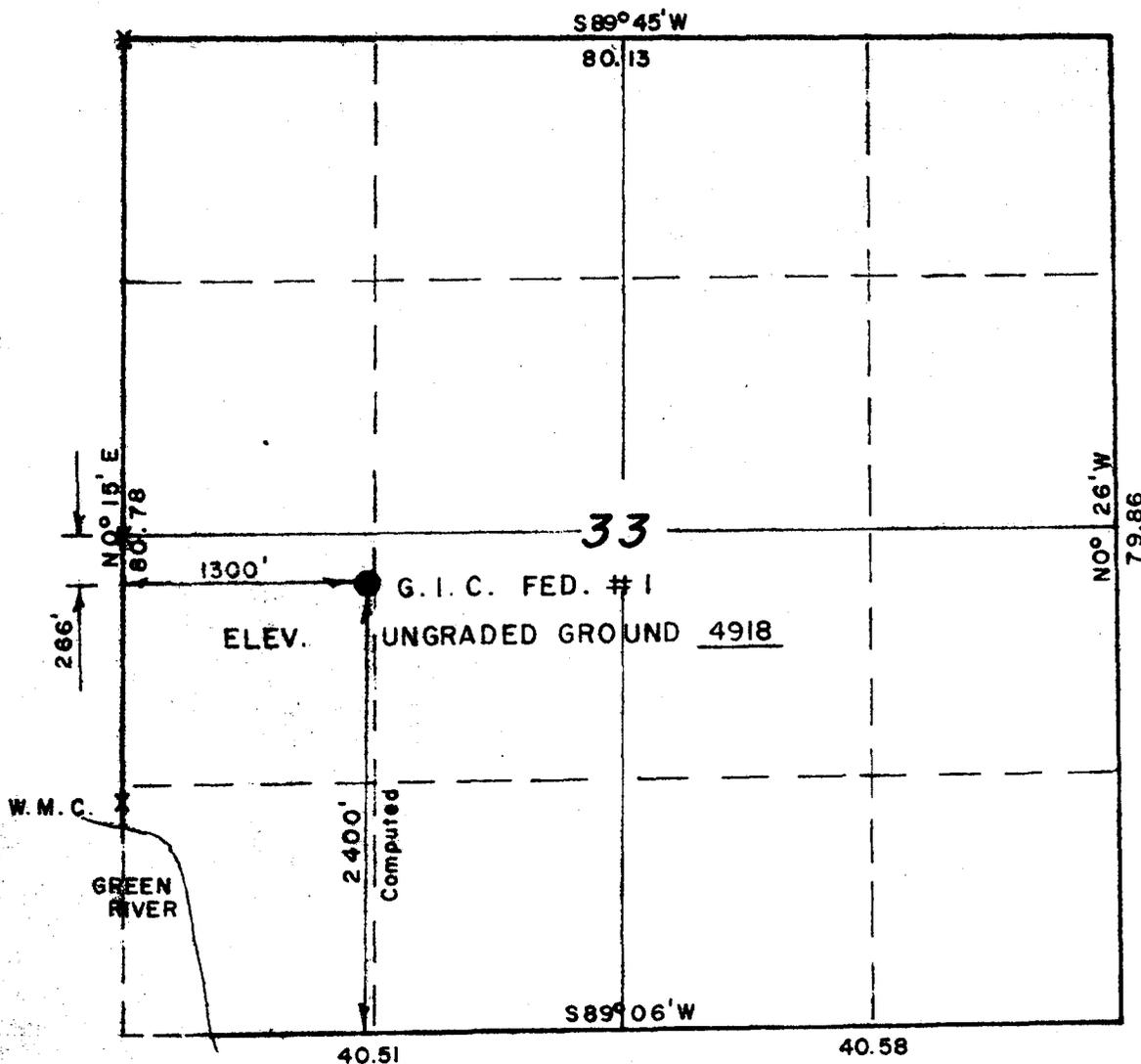
*See Instructions On Reverse Side

T6S, R21E, SLB&M

PROJECT

KENNETH D. LUFF

WELL LOCATION, LOCATED AS SHOWN
IN THE NW 1/4 SW 1/4 SECTION
33, T6S, 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

Nelson J. 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 8 Dec. 1969
PARTY L.D. Taylor - H. Merrell	REFERENCES GLO Township Plat
WEATHER Clear - Cool	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: Salt Lake City, Utah
SERIAL NO.: U-08872

and hereby designates

NAME: Kenneth D. Luff
ADDRESS: 210 Patterson Building
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 6 South, Range 21 East, SLM
Section 33: NW¼, N½SW¼, Lot 1

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 K. D. Jones
Contract Agent (Signature of lessee)
Western Division

By [Signature]
Assistant Secretary

Dec. 9, 1969
(Date)

U. S. GOVERNMENT PRINTING OFFICE 16-53508-8

P. O. Box 599, Denver, Colorado
Address

December 12, 1969

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

Re: Well No's: G.I.C. Federal #1,
Sec. 33, T. 6 S, R. 21 E,
Lingelbach Federal #3,
Sec. 20, T. 6 S, R. 21 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned wells is hereby granted. However, this approval is conditional upon this office receiving a surveyor's plat for the G.I.C. Federal #1 well. The approval is granted in accordance with Rule C-3(c).

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
OFFICE: 328-5771

This approval terminates within 90 days if the wells have 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.

K.D. Luff & H.P. Lish
December 12, 1969
Page 2

The API numbers assigned to these wells are: 43-047-30072-Lingelbach #3, 43-047-30073-G.I.C. Federal #1, (see Bulletin D-12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
Enclosures

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

Self

PL
PMB
19

Form 9-389
(Rev. 6-65)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.
U-08872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
G.I.C. 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. 33, T68, R21E

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 **1300' fwl x 2400' fal (NW SW)**
At top prod. interval reported below
At total depth

14. PERMIT NO. **43-047-30073** DATE ISSUED **12/12/69**

15. DATE SPUDDED **12/15/69** 16. DATE T.D. REACHED **12/23/69** 17. DATE COMPL. (Ready to prod.) **1/13/70** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4918 grd. - 4930 KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **3750'** 21. PLUG, BACK T.D., MD & TVD **3495 Bridge Plug** 22. IF MULTIPLE COMPL., HOW MANY* **All in Uinta** 23. INTERVALS DRILLED BY **→** 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **Uinta 3443-3482** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Schlumberger IES Log - Gamma Ray Neutron Log** 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#	265'	12 1/4"	160 sacks	
4 1/2"	9.5#	3750'	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)
2 3/8"	3424	--

31. PERFORATION RECORD (Interval, size and number)
**3443, 3455-56, 3481-82, 3505-06, 3547
3553, 3576, 3604, 3611, 3622**
Set Baker "N" Bridge Plug @ 3495

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3443-3495	500 gal. -15% HCL followed by 7500# 10-20 sand frac.

33.* PRODUCTION

DATE FIRST PRODUCTION **1/19/70** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flowing gas well.** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/12/70	24	1/4"	→	--	420	--	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
800	900	→		420 MCF	--	--

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Connected to Mountain Fuel West Horseshoe lateral** TEST WITNESSED BY **Ray Stone**

35. LIST OF ATTACHMENTS
Geologic Report

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

SIGNED **Kenneth Luff** TITLE **Operator** DATE **1/28/70**

*(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 23, 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TRUE VERT. DEPTH
			SEE GEOLOGIC REPORT	"A" Marker	3215
				"B" Marker	3372 (+1558)
				"C" Marker	3496
				"D" Marker	3592
				Green River Trans.	3715



OIL & GAS CONSERVATION BOARD

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CHIEF PETROLEUM ENGINEER

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
328-5771

April 13, 1970

Kenneth D. Luff
210 Patterson Building
Denver, Colorado 80202

Re: Well No's: G.I.C. Federal #1 & #2
Sec. 33, T. 6 S, R. 21 E,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

If electric and/or radioactivity logs were not run, please make a statement to this effect in order to keep our records accurate and complete.

Thank you for your cooperation with regard to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SECRETARY

:sd

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-08872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

G.I.C. Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Horseshoe Bend

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

Sec. ²³13, T6S, R21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

14. PERMIT NO.

43-047-30073

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

4930' KB

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

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

1300' fwl x 2400' fsl (NW SW)

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(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.)*

Plug and abandon as follows: 4 1/2" casing at 3750' with 200 sacks

1. Set 15 sacks. Plug at 3490' to 3340' inside 4 1/2" casing.
2. Out and pull free 4 1/2" casing.
3. 35 sacks. Plug on top of 4 1/2" stub.
4. 35 sacks - 160' to 260'.
5. 10 sacks - with marker.

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

SIGNED

Kenneth D. Luff

TITLE

Operator

DATE

11/3/70

(This space for Federal or State office use)

APPROVED BY

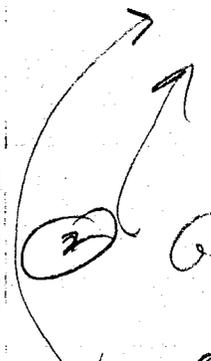
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Ken Laff - Horsepoint Unit

① Singleblock # 3 NESE 20 GS 21E
 Mental - prob. cont. 2000' 79
 50' above prof. - full 2000' of 4 1/2" -
 34" of log cemented - 35" of base
 of safe pipe (~~prob~~)



② G.I.P. # 1 NW SW cor 33 GS 21E

③ Singleblock # 2 - SE 5 1/2 cor 30 GS 21E

Above 3 well P&A 10/30/70

by U. S. G. S. - Jerry Dorrick - P/B

11/4/70
 35 st = 3' / st = 150'
 7 7/8 hole all flints
 New Luff
 GIC #2 33 GS 21E
 T.D. 4050 8 5/8 @ 259

"B" Marker = 3675 (cable production)

2 SS - with gas - 3767 - 70
 77-80

3850 down to 3950 - 50% sand (rock)

(1) 3950 to 3800 = cover water sand (35 st)

(2) 25 st @ 2900-2800 = isolate two gas strings

log 20' & 15' of water sands.
 2650-2800

(3) 25 st 1/2 in & 1/2 out of 259'

(4) 5 st @ surface marker / mud below all plugs.
 JMB

GIC #1 NW SW sec 35
 all flints 265 @ 8 5/8 T.D. 3750

no gas sand - few water sands all

above fresh water sands @ 2350

~~2400 2550 35 st~~

→

4" @ 3750

tested = 3442 to 3626

19 BPH of water = $R = .30 @ 96^\circ$

- (2) ~~35~~ set @ stab $\approx 1000'$ of pellets
cut $\approx 2500' \approx 2400$ to 2550
- (1) ~~10~~ cones @ upper part ≈ 3442
with 20 stb
- (3) set 25 stb @ base of surface pipe
- (4) ~~40~~ 5 stb / mud / mud between pipe

Call U. S. G. S.

could ~~not~~ ~~not~~ contact office

Dry @ 3900 on Gov't Material # 2

February 11, 1971

Kenneth D. Luff
520 Patterson Bldg.
Denver, Colorado 80202

Re: Well No. G.I.C. Federal #1
Sec. 33, T. 6 S, R. 21 E,
Uintah County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Abandonment 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 Procedures.

Thank you for your cooperation with respect to the above.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SUPERVISING STENOGRAPHER

:sd

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-08872

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

G.I.C. 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. 33, T6S, 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

1300' fwl x 2400' fsl (NW SW)

14. PERMIT NO.

43-047-30073

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

4930' 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.)*

Plug and abandon as follows: 4 1/2" casing at 3750' with 200 sacks

- 1. Set 15 sacks. Plug at 3490' to 3340' inside 4 1/2" casing.**
- 2. Out and pull free 4 1/2" casing.**
- 3. 35 sacks. Plug on top of 4 1/2" stub.**
- 4. 35 sacks - 160' to 260'.**
- 5. 16 sacks - with marker.**

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

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

SIGNED

Kenneth D. Luff

TITLE

Operator

DATE

3/17/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

AF 03/0

WELL SUMMARY

Operator: Kenneth D. Luff
Well: G.I.C. #1
Location: 1300' fwl x 2400' fsl Section 33, T6S, R21E
 Uintah County, Utah
Elevation: 4918 grd. 4930 KB
Contractor: Barker Drilling Company
Rig Type: T-20 (Powers)
Commenced: December 16, 1969
Completed: January 9, 1970
Total Depth: 3750' Driller, 3744 Schlumberger
Casing: Surface: 7 jts. of 8 5/8", 24#, landed at 265'
 and cemented with 160 sacks of regular
 cement with 2% calcium.
 Production: 121 jts. of 4 1/2", 9 1/2#, landed
 at 3750' and cemented with 200
 sacks of 50/50 posmix, 10% salt and
 3/4 of 1% CFRZ
Hole Size: 12 1/4" to 265; 7 7/8 to 3750.
DST: None
Logging Services: Schlumberger IES Log. 265 to 3750' open hole
 GRN 2200'-3750.
Samples: None Kept.
Geologist: Kenneth D. Luff - Al Chatham
Status: Completed as producing Uinta Gas well.

PMB

CHRONOLOGIC WELL HISTORY

12/15/69 - Rigging up Barker Well Service Rig #3. Mixing mud at 12:30 p.m. Drilled and set rat hole and mouse hole from 1:30 p.m. to 7:00 p.m. Drilled 12 1/4" surface hole from 7:00 p.m. to 12:00 p.m. to a depth of 106'.

Total Footage 106'

12/16/69 - Drilled 12 1/4" surface hole to 265'. Conditioned hole and ran 8 joints of 8 5/8", 24#, surface casing landed at 265'. Centralizer on middle of 1st and 2nd joint. Cemented with 160 sacks of regular cement with 2% calcium. Plug down at 12:15 p.m. Deviations 1/2 degree @ 136 and 3/4 degree @ 265'. Good returns on cement job. W.O.C. and cleaning pits. Nippled up B.O.P.

Total Footage 159'

12/17/69 - Drilling 50' of cement and plug at 2:00 a.m. Drilled 7 7/8" hole with water to 1568'. Made trip for bit #3 at 1145'. Work on valves in mud pump 1/2 hour.

Total Footage 1303'

12/18/69 - Drilled 7 7/8" hole with water to 2487'. Made trip for bit #4 at 1729' and for bit #5 at 2200'. Work on cat head 3/4 hour.

Total Footage 919'

12/19/69 - Drilled 7 7/8" hole with water to 3000' and to 3176 with mud. Made trip for bit #6 at 2758. Started mudding up at 3000'. Put new valves and piston in C-150 mud pump.

Total Footage 689'

12/20/69 - Drilling with mud to 3547'. Made trip for bit #7 @ 3176 and for bit #8 @ 3465'. Repair pump one hour. Cut drilling line one hour.

Total Footage 371'

12/21/69 - Drilled with mud to 3750'. Made trip for bit #8 @ 3650'; strapped out of hole--3649.76. Reached total depth at 11:00 p.m. Mixed mud and short trip for logs.

Total Footage 203'

12/22/69 - Circulated one hour to log. Ran Schlumberger IES Log from 265-3750 and GRN from 3742-2200. Finished logging hole at 8:30 a.m. Went in hole and conditioned hole 2 hours. Came out of hole laying down drill pipe and collars. Ran 121 joints of 4 1/2", 9.5#, production casing landed at 3750' K.B. Cemented same with 200 sacks of 50/50 posmix with 10% salt and 3/4 of 1% CFRZ. Plug down at 11:00 p.m. Had good circulation throughout cement job. Ran 1 turbofin centralizer per joint on bottom 11 joints and scratched following interval 3660-3590, 3560-3540, 3510-3490 and 3480-3430.

FORMATION TOPS

	<u>Uinta</u>	<u>Surface</u>
"A" Marker		3215
"B" Marker		3372 (+1558)
"C" Marker		3496
"D" Marker		3592
Green River Trans.		3715

MIDNIGHT DRILLING DEPTHS

<u>Date</u>	<u>Depth</u>	<u>Footage</u>
12/15/69	106	106
12/16/69	265	159
12/17/69	1568	1303
12/18/69	2487	919
12/19/69	3176	689
12/20/69	3547	371
12/21/69	3750	203
12/22/69	3750	-0-

DEVIATION SURVEYS

<u>Depth</u>	<u>Deviation</u>	<u>Pump Press.</u>	<u>Weight</u>	<u>RPM</u>
137	1/2 degree			
265	3/4 degree			
1145	1/2 degree	400#	20-25,000	150
1729	0 degree			
2200	1/2 degree			
3176	1 1/4 degree	700#	40,000	90
3650	1 degree	700#	40,000	90

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>In</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>	<u>#</u>
1	12 1/4	Sec.	RT	0	265	265	13 1/2	-
2	7 7/8	Smith	DT	265	1145	880	12 1/4	B1469
3	7 7/8	Smith	DTT	1145	1729	584	10	BR032
4	7 7/8	Smith	DTT	1729	2200	471	11 1/4	BJ695
5	7 7/8	Smith	DTT	2200	2758	538	11 1/4	BR125
6	7 7/8	Smith	DTT	2758	3176	418	10	BR621
7	7 7/8	Smith	DTT	3176	3465	289	11 1/2	BR034
8	7 7/8	Smith	DTT	3465	3650	185	11	BR189
9	7 7/8	Smith	DTT	3650	3750	100	11 3/4	RC676

DAILY MUD CHARACTERISTICS

Note: Clear water was used as a drilling fluid to a depth of 3000', at which depth the well was mudded up. The well was serviced by Baroid.

<u>Date</u>	<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Visc</u>	<u>W.L.</u>	<u>PH</u>	<u>% Sd.</u>
12/15/69	3390	Chem-Gel	9.8	42	7.8	9.0	-
12/16/69	3733	" "	10.0	48	6.6	10.0	-

LITHOLOGY

Refer to lithologic descriptions shown on mud logger report and log of hole.

SIGNIFICANT MUD LOGGER SHOWS

3453-57 140 units total gas; mostly methane with trace of ethane.
Mud weight 9.8#/gal. (Gas productive)

3604-6 50 units total gas; mostly methane with trace of ethane.
Mud weight 10.1#/gal. (Probably water productive)

3610-14 50 units total gas; mostly methane with trace of ethane.
Mud weight 10.1#/gal. (Probably water productive)

3620-38 40 units total gas; mostly methane with trace of ethane.
Mud weight 10.2#/Gal. (Probably water productive)