

RECEIVED

(Other instructions on reverse side)

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

SEP 14 1984 DIVISION OF OIL, GAS & MINING

5. Lease Designation and Serial No. 22072260 (FEE) 6. If Indian, Allottee or Tribe Name NA 7. Unit Agreement Name NA 8. Farm or Lease Name Hauser Farms 9. Well No. 1-10 10. Field and Pool, or Wildcat Wildcat 11. Sec., T., R., M., or Blk. and Survey or Area 10-13N-R1W

APPLICATION FOR PERMIT TO DRILL, DIVISION OF OIL, GAS & MINING PLUG BACK

1a. Type of Work DRILL [X] DEEPEN [ ] PLUG BACK [ ] b. Type of Well Oil Well [ ] Gas Well [X] Other [ ] Single Zone [X] Multiple Zone [ ] 2. Name of Operator North American Resources Company 3. Address of Operator 40 E. Broadway, Butte, MT 59701 4. Location of Well (Report location clearly and in accordance with any State requirements.\*) At surface [X] NE 1/4 of NE 1/4 Sec. 10-T13N-R1W S.L.B & M. At proposed prod. zone 700' S/N, 1100' W/E Same as above 14. Distance in miles and direction from nearest town or post office\* 2 miles due south of Trenton 15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 700' 16. No. of acres in lease 240 17. No. of acres assigned to this well 240 18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft. None 19. Proposed depth 5200' 20. Rotary or cable tools Rotary 21. Elevations (Show whether DF, RT, GR, etc.) Ungraded Ground - 4426' 22. Approx. date work will start\* 9/18/84

23. PROPOSED CASING AND CEMENTING PROGRAM Table with columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows: 12 1/2, 9-5/8", 36, 500', 300; 8-3/4", 5 1/2", 15.5, 5200', 735

The 1-10 Hauser Farms is to be drilled to approximately 5200'. To test the Madison formation for commercial hydrocarbons. Following are the formations and the depths they are expected to be found at:

- Tertiary Salt Lake 500' KB
Tertiary Wasatch 3,536'
Pennsylvanian Oquirrh 4,410'
Mississippi Madison 4,990'

Blowout preventers are a double gate ram type and an Annular bag type (3000 #WP)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: 9/12/84 BY: [Signature]

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 structure, depth, and true vertical depths. Give blowout preventer program, if any.

24. Signed: Jim Else James L. Else Title: Operating Engineer Date: 9/12/84

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date Conditions of approval, if any:

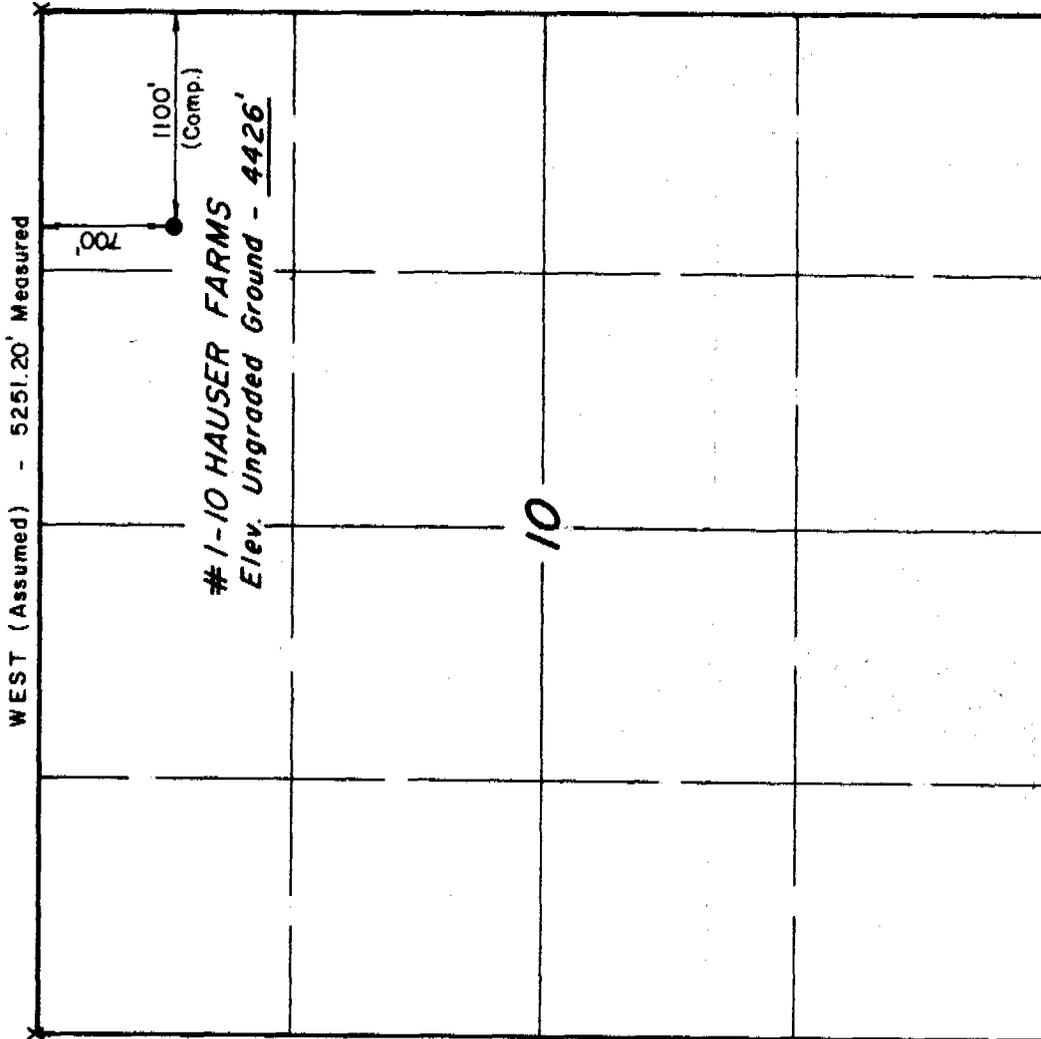
T13N, R1W, S.L.B. & M.

PROJECT

**NORTH AMERICAN RESOURCES**

Well location, #1-10 HAUSER FARMS, located as shown in the NE1/4 NE1/4 Section 10, T13N, R1W, S.L.B. & M. Cache County, Utah.

Note: #1-10 HAUSER FARMS LOCATION STAKE BEARS S57°31'40"W - 1304.15' FROM THE NORTHEAST CORNER SECTION 10, T13N, R1W, S.L.B. & M.



CERTIFICATE

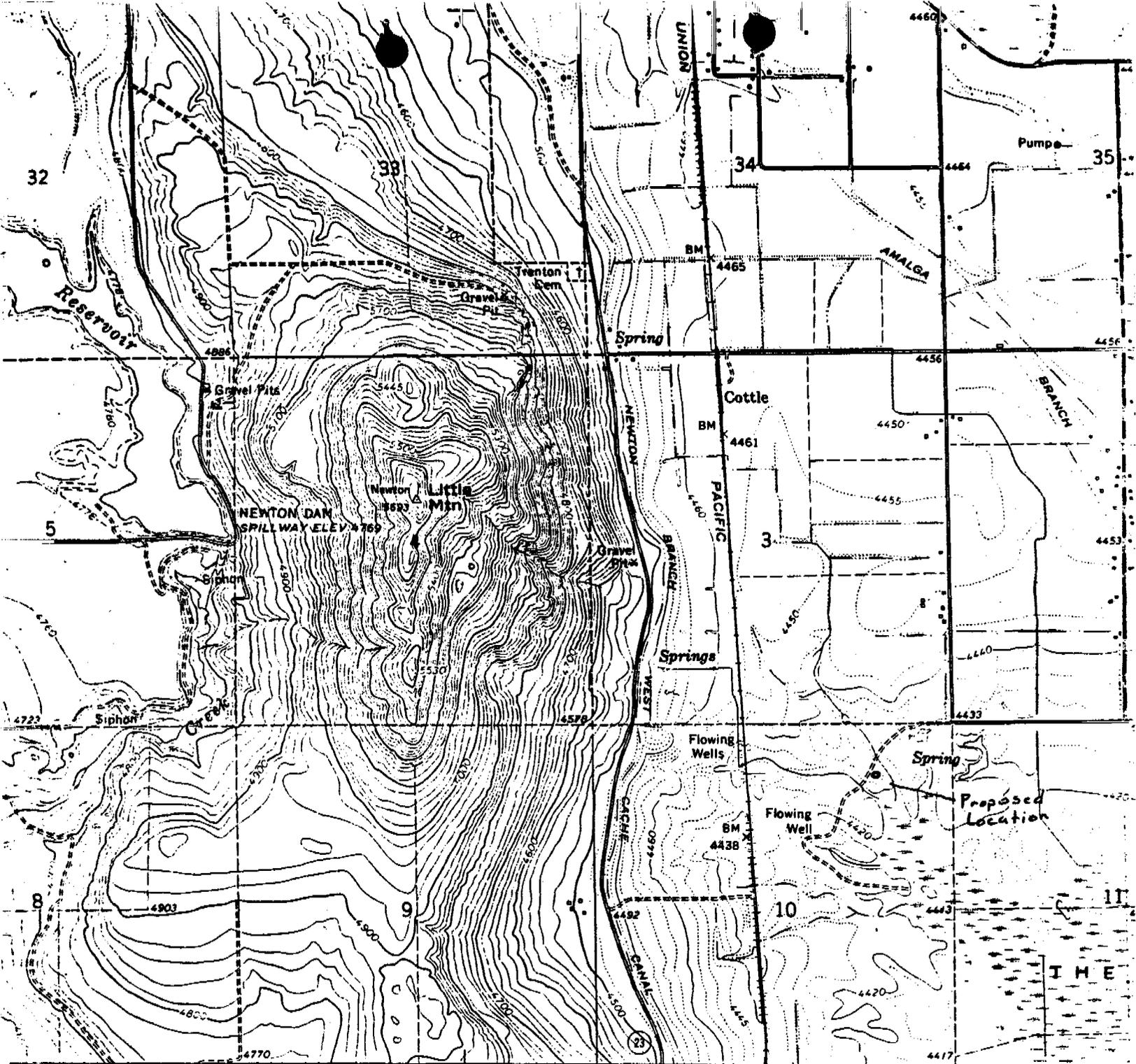
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert J. ...*  
 REGISTERED LAND SURVEYOR,  
 REGISTRATION NO 2454  
 STATE OF UTAH.

UINTAH ENGINEERING & LAND SURVEYING  
 P.O. BOX Q - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

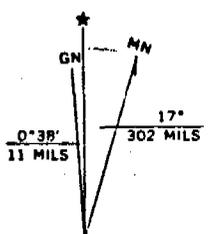
SCALE	1" = 1000'	DATE	9/7/84
PARTY	DB CM GB RP	REFERENCES	GLO PLAT
WEATHER	Fair	FILE	NORTH AMERICAN RES.

X = CACHE COUNTY BRASS CAPS LOCATED

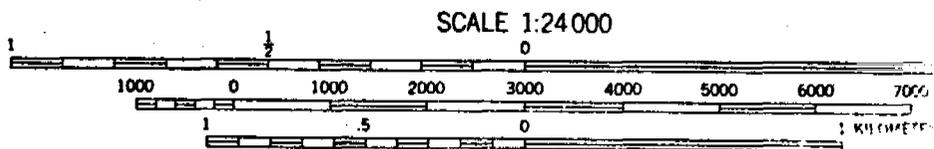


1 870 000 FEET | '19 | '20 | 57'30" | NEWTON 2.7 MI. | (NEWTON) 3667 IV SW | '23

Geological Survey  
 au of Reclamation  
 y USGS from aerial  
 ial photographs  
 s 1964  
 datum  
 system, north zone  
 grid ticks,  
 e and field lines



UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

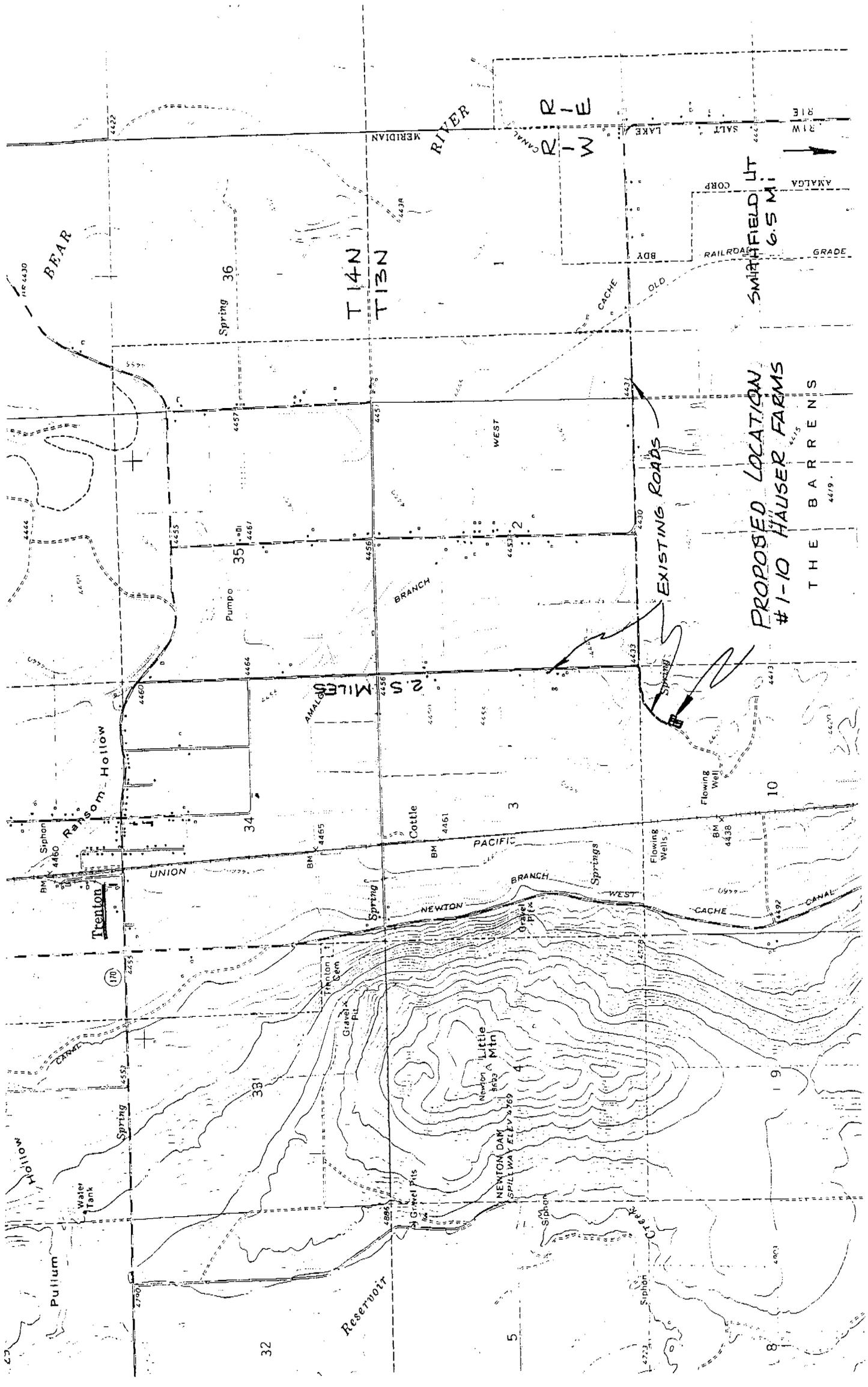


SCALE 1:24 000

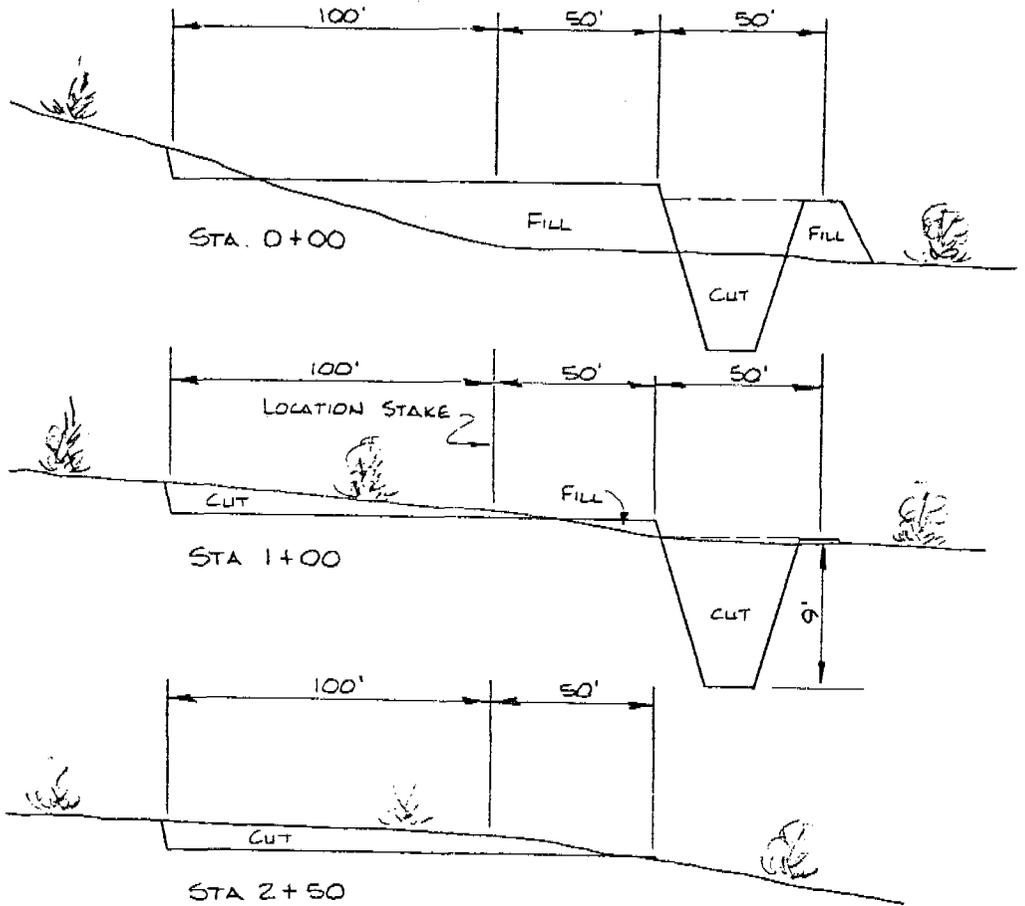
CONTOUR INTERVAL 20 FEET  
 DOTTED LINES REPRESENT 5-FOOT CONTOURS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VA  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST





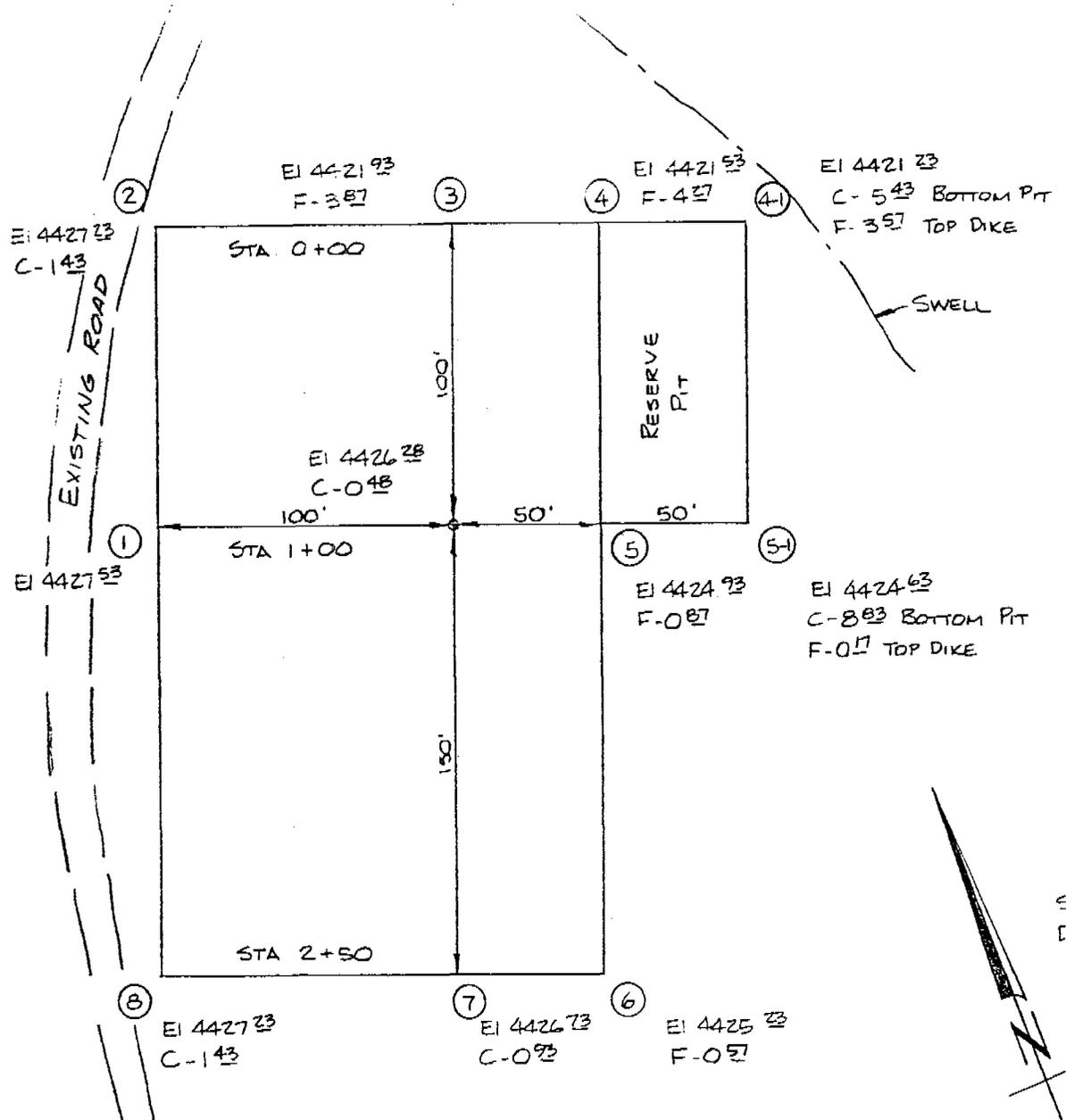
NORTH AMERICAN RESOURCES  
 # 1-10 HAUSER FARMS



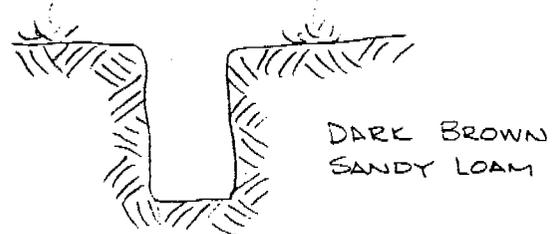
APPROX. YARDAGES

CU. YDS. CUT 1,801

CU. YDS. FILL 1,073



SOILS LITHOLOGY  
NO SCALE





**NORTH AMERICAN RESOURCES COMPANY**

GENERAL OFFICES: 40 EAST BROADWAY, BUTTE, MONTANA 59701  
TELEPHONE 406 / 723-5421

September 13, 1984

RECEIVED

SEP 14 1984

DIVISION OF OIL  
GAS & MINING

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Dear Sirs:

RE: 1-10 Hauser Farms

Ourselves, Park Development Company, and Corrida are participating in the 1-10 Hauser Farms located in Cache County, Utah. Our applications have been lagging behind the rest of our program; therefore, we would appreciate any promptness taken in your permitting process.

Manning Drilling is ready to move on site early next week, so I will contact you on Monday, September 17th for your comments.

Thank you.

Sincerely,

*James L. Else*  
James L. Else *hyda*  
Operations Engineer

JLE/da

JLE0015

Ben Stromberg  
723-5721  
# 2387

N9920

OPERATOR North American Resources Co. DATE 9-17-84

WELL NAME Hansen Farm #1-10

SEC NEN<sup>E</sup> 10 T 13N R 1W COUNTY Cochise

43-005-30013  
API NUMBER

Free  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other wells within 4960'

Need water permit

Exception loc. letter

Bond

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

1- water

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



# NORTH AMERICAN RESOURCES COMPANY

GENERAL OFFICES: 40 EAST BROADWAY, BUTTE, MONTANA 59701  
TELEPHONE 406 / 723-5421

September 18, 1984

Ms. Arlene Sollis  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas,  
and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Dear Ms. Sollis:

RE: 1-10 Hauser Farms  
Section 10-13N-1W  
Cache County, Utah

Referring to our phone conversation of September 17, 1984, I appreciate the help in obtaining the drilling permit for the subject well.

The well was staked 700 FNL and 1,100 FEL as close to the swamp indicated on the enclosed topo map as possible. Also the land owner insisted we stay out of his hay fields, and to the west are his hay fields. Therefore, North American Resources requests that we be granted an exceptioned location for this well.

The second area of the permit that was not complete was the 8 pt plan. Hopefully, the following information will complete the 8 pt plan requirement.

1. Geologic Tops -

	<u>Depth KB</u> <u>(ft)</u>	<u>Elevation</u> <u>(ft)</u>
Tertiary Salt Lake Form.	500	3,937
Tertiary Wasatch	3,536	901
Pennsylvanian Oquirrh	4,410	27
Mississippian Madison	4,990	-553

- |    |                       |              |
|----|-----------------------|--------------|
| 2. | Tertiary Salt Lake    | Water or Gas |
|    | Tertiary Wasatch      | Water or Gas |
|    | Pennsylvania Oquirrh  | Water or Gas |
|    | Mississippian Madison | Water or Gas |

3. Minimum specification for blowout prevention equipment -

Kelly cock	6-5/8 x 5,000 psi
Drill pipe safety valve	5,000 psi
Blowout Preventers	Double gate ram type 3,000 psi Annular bag type 3,000 psi
Choke manifold	Series 900 choke manifold w/remote adjustable

BOPE will be tested before drilling out the surface casing. Also the BOPE will be operated daily.

4. Casing Program -

Surface Casing	:	500 ft	9-5/8"	36#	K-55
Production Casing	:	5,200'	5 1/2"	15.5#	K-55, ST&C

5. Circulating System -

The circulating system used on this well will be a low solids nondispersed mud system. Barite will be used for weight material if required. The surface mud volume will be 640 bbls.

Pit volume totalizers will be used for mud monitoring. Each tank will be equipped with a sensor.

6. Anticipated coring, logging, testing -

No cores are anticipated.

Drill stem test will be run if shows or logs warrant.

Logs to be run: DVAC Induction - SFL  
FDC - CNL  
BHC - Sonic

7. Abnormal pressures, temperature or H<sub>2</sub>S -

No abnormal pressures or temperatures are expected.

No H<sub>2</sub>S gas is anticipated.

8. No other operations are being contemplated.

Ms. Arlene Sollis  
September 18, 1984  
Page 3

I hope this letter fulfills our requirements for the requested permit. If you have any questions, please call (406) 723-5421.

Sincerely,

*Ben Stromberg*  
Ben Stromberg *by def*  
Manager of Operations

BS/nm

Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 20, 1984

North American Resources Company  
40 E. Broadway  
Butte, Montana 59701

Gentlemen:

Re: Well No. Hauser Farms #1-10 - NE NE Sec. 10, T. 13N, R. 1W  
700' FNL, 1100' FEL - Cache County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2  
North American Resources Company  
Well No. Hauser Farms #1-10  
September 20, 1984

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-005-30013.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-005-30013

NAME OF COMPANY: North American Resources

WELL NAME: Hauser Farms #1-10

SECTION NE NE 10 TOWNSHIP 13N RANGE 1W COUNTY Cache

DRILLING CONTRACTOR \_\_\_\_\_

RIG # \_\_\_\_\_

SPUDDED: DATE 10-4-84

TIME 10:00 PM

How \_\_\_\_\_

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Bob Syler

TELEPHONE # 752-9141 (Room 129)

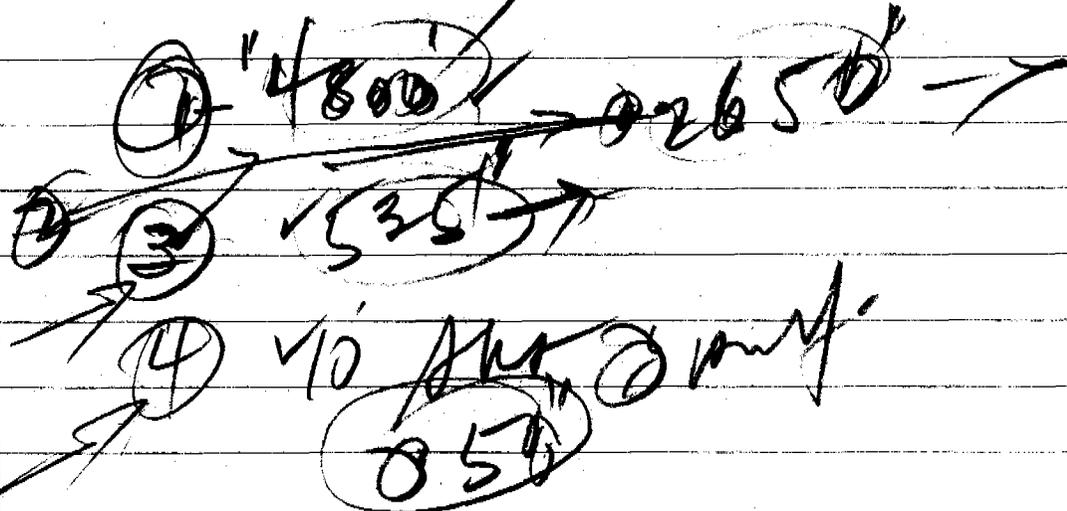
DATE 10-5-84 SIGNED Jan Brown

# Journal Entry #1-10

✓ Dry Hole ✓  
✓ zones ✓  
Tertiary  
Prehistoric ✓

TR 1200 ✓

SP @ 4800' - 6100'



7 AM

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

5. LEASE DESIGNATION AND SERIAL NO.

22072260

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Hauser Farms

9. WELL NO.

1-10

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SUBST OR ARDA

10-13N-1W

**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  
North American Resources

3. ADDRESS OF OPERATOR  
40 E. Broadway, Butte, MT 59701

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

NE 1/4 of NE 1/4 Sec. 10-13N-1W S.L.B. & M.  
700' S/N, 1100' W/E

14. PERMIT NO.

13. ELEVATIONS (Show whether DF, ST, CR, etc.)

4426' GR

12. COUNTY OR PARISH

Cache

15. 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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SMOOT OR ACIDIZE

ABANDON\*

SMOOTHING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(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.)

The 1-10 Hauser Farms had an estimated TD of 5200'; however, geology is running extremely deeper than predicted. The well is currently at 5600'. Therefore, NARCO submits a change in total depth from 5200' to 7500'.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 11/1/84  
BY: James R. Bay

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

SIGNED

James R. Bay

TITLE

Operations Engineer

DATE

Oct. 15, 1984

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

SAMPLE DESCRIPTIONS: 1-10 HAUSER FARMS

- 535- 900' Sandstone: light gray to light brown, unconsolidated, fine to coarse grained, round to angular, poorly sorted, quartzose, calcareous mud matrix, lithic grains of argillite, limestone, chert, quartzite, basalt, trace biotite. Pelecypods, gastropods (unfossilized). Tuffaceous.
- 900-1150' As above with interbedded mudstone, light gray, soft.
- 1150-1240' Air-fall tuff: vitroclastic, unaltered shards, angular, transparent, colorless.
- 1240-1400' Mudstone: Very light green-gray, calcareous; interbedded muddy sandstone, calcareous, quartzose, white tuffaceous matrix.
- 1400-1620' Interbedded sandstone and mudstone as above, primarily quartz, unconsolidated.
- 1620-1700' As above, pebbly, pebbles are light green siltstone, hard.
- 1700-1900' As above, sandstone, white, calcareous mud matrix, shell fragments, unfossilized.
- 1900-1930' As above: pebbly.
- 1930-2100' Interbedded sandstone and mudstone as above.
- 2100-2120' As above: pebbly.
- 2120-2600' Interbedded sandstone and mudstone as above.
- 2600-2650' Sandy tuff: possibly reworked air-fall tuff; sand, fine to medium grained, primarily quartz.
- 2650-2830' Air-fall tuff: fine, white, transparent, colorless, angular glass shards, unburst gas bubbles, common, unconsolidated.
- 2830-2940' Sandstone: Very poorly consolidated, quartzose, white calcareous mud matrix, tuffaceous; interbeds of thinly laminated mudstone.
- 2940-3020' Mudstone: Calcareous, light greenish gray, moderately well lithified, sandy.
- 3020-3400' Mudstone and interbedded muddy sandstone, light green gray, calcareous, tuffaceous.
- 3400-3620' Tuff: light gray, fine-grained, soft, biotitic.
- 3620-3680' Mudstone: Sandy, calcareous, light gray to light brown.

- 3680-3820' Tuff: As above, trace of pyrite.
- 3820-3850' Mudstone: Gray.
- 3850-3950' Tuff: Light gray, fine grained, soft.
- 3950-4000' Mudstone: Gray, calcareous, tuffaceous, finely laminated.
- 4000-4090' Conglomerate: Muddy, calcareous sandstone matrix, limestone clasts predominate, also basalt, chert.
- 4090-4110' Tuff: Light gray to white, biotitic.
- 4110-4270' Conglomerate: Muddy, calcareous sandstone matrix, limestone clasts predominate, also basalt, chert.
- 4270-4310' Tuff: Light gray to white, trace of biotite.
- 4310-4400' Muddy sandstone and mudstone, calcareous, light gray to light brown.
- 4400-4585' Mudstone, sandstone, interbedded, calcareous, tuffaceous, light gray to light brown.
- 4585-4650' Basalt: Dark gray, brittle, aphanitic.
- 4650-4980' Conglomerate: Light gray to light brown, muddy calcareous sandstone matrix, limestone cobbles predominate, also basalt, chert, sandstone, quartzite.
- 4980-5100' Sandstone, fine to coarse grained, round to angular, poorly sorted, quartzose, white quartz with hematite stain common, minor grains chert, limestone, quartzite, some white, tuffaceous matrix.
- 5100-5150' Sandstone: As above, also minor greenish sandy mudstone and fine grained sandstone and siltstone, red.
- 5150-5300' Sandstone: As above, quartz grains fine to very coarse, hematite stain common.
- 5300-5370' Sandstone: As above, but red mud matrix more abundant.
- 5370-5720' Sandstone: As above.
- 5720-5740' Sandy mudstone, red quartzose.
- 5740-6130' Sandstone, quartzose, fine to coarse grained, angular to sub-rounded.
- 6130-6180' Quartzite: Argillaceous, chloritic, green, very fine to fine grained, phyllitic in part.
- 6180-6190' Marble: Micaceous light greenish gray, thinly laminated.

6190-6630'

Quartzite: Argillaceous, chloritic, green, very fine to fine grained, phyllitic in part.

6630-6910'

As above with mineralized vein quartz and pyrite.

6910-7200'

Slate to phyllite, dark gray, silty, micaceous.

Geology by: D. A. Lopez, L. J. Yerkovich

To Ron Tirtu

Date 10-25 Time 5:35

## WHILE YOU WERE OUT

M. Bob Sylar

of \_\_\_\_\_

Phone No. 801-563-9907

TELEPHONED

PLEASE CALL

WAS IN TO SEE YOU

WILL CALL BACK

WANTS TO SEE YOU

**URGENT**

RETURNED YOUR CALL

Message

Hauser Farms 110

Please call this evening

Jan Brittain  
Operator

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 [ ] GAS WELL [x] OTHER Wildcat
2. NAME OF OPERATOR North American Resources Company
3. ADDRESS OF OPERATOR 16 E. Granite Butte, MT 59701
4. LOCATION OF WELL NE 1/4 of NE 1/4 Sec. 10-T13N-R1W SLB & M 700' S/N, 1100' W/E
5. LEASE DESIGNATION AND SERIAL NO. 22072260
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
7. UNIT AGREEMENT NAME NA
8. FARM OR LEASE NAME Hauser Farms
9. WELL NO. 1-10
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR BLE. AND SUBST OR ABBA 10-13N-1W
12. COUNTY OR PARISH 13. STATE Cache Utah
14. PERMIT NO. API #43-005-30013
15. ELEVATIONS (Show whether SP, TV, CR, etc.) 4426' 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\* [x]
(Notes: 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.)

The 1-10 Hauser Farms was drilled to 7200' TD. Data obtained from logs and geologic samplings showed no presence of commercial hydrocarbons. Decision to P&A well was made. Verbal approval from State of Utah to P&A was obtained from Ron Firth at 9:15 on 10/25/84. The 1-10 Hauser Farms was plugged as follows: (50/50 POZ mix) #1 4800'-4700' - 45 sx, #2 2650'-2550' - 45 sx, #3 584'-484' - 45 sx, in/out casing, #4 60' - surface 20 sx. Marker plug. Steel plate 3' below ground level.

RECEIVED DEC 10 1984

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 12/17/84
BY: [Signature]

DIVISION OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED James L. Else TITLE Petroleum Engineer DATE 12/6/84
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_
CONDITIONS OF APPROVAL, IF ANY:

Rev -

Bob Sefton

700 American Resources  
Denver # 1-10

needs plugging programs  
for this well. He  
will call back after  
office hours - he  
hasn't a phone at the  
rig.

28



**NORTH AMERICAN RESOURCES COMPANY**

GENERAL OFFICES: 40 EAST BROADWAY, BUTTE, MONTANA 59701  
TELEPHONE 406 / 723-5421

April 5, 1985

State of Utah  
Natural Resources  
Oil, Gas & Mining  
355 W. North Temple  
3 Triad Center  
Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED

APR 09 1985

DIVISION OF OIL  
GAS & MINING

Dear Pam,

Please find enclosed a copy of the Sundry Notice we filed with your office in December, 1984 on the 1-10 Hauser Farms well in Cache County, Utah.

I received your letter stating you had not received this information. I will also send a copy of the 7-10 Hauser Farms Sundry Notice immediately.

If you have any questions, please call me on extension 2280.

Sincerely,

*Julie Henrich*  
Julie Henrich  
Production Clerk

jh

encl.

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

5

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 Abandonment

2. NAME OF OPERATOR  
North American Resources Co.

3. ADDRESS OF OPERATOR  
16 East Granite, Butte, MT 59701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 700' EST - 1100' FEL NE NE  
At top prod. interval reported below  
At total depth

14. PERMIT NO. API 43-005-30013 DATE ISSUED 9/20/84

5. LEASE DESIGNATION AND SERIAL NO.

22072260

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Hauser Farms

9. WELL NO.

1-10

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

10-T13N-R1W

12. COUNTY OR PARISH Cache 13. STATE UT

15. DATE SPUDDED 4 Oct 1984 16. DATE T.D. REACHED 26 Oct 1984 17. DATE COMPL. (Ready to prod.) 26 Oct 1984 18. ELEVATIONS (DF, RES, RT, GR, ETC.)\* 4426' GR 19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD 7200' MD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ALL ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* None 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, BHC, LDT/CNL, Dipmeter 27. WAS WELL CORDED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>9 5/8"</u>	<u>36</u>	<u>535</u>	<u>12 1/4"</u>	<u>300 sx CLASS A</u>	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					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)					
		<u>PJA</u>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	

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 Mark Erickson TITLE Petroleum Engineer DATE 4/17/85

\*(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 respect 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 agency. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions (drillers, geologists, sample and core analysis, 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 1:** 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:** Include 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:** "Stacks 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.)

31. 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 RECORDS															
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 5px;">32. GEOLOGIC MARKERS</th> </tr> <tr> <th style="width: 60%; text-align: center;">NAME</th> <th style="width: 40%; text-align: center;">ELEVATION</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">UPPER SALT LAKE MEMBER</td> <td style="text-align: center;">BOTTOM OF SURFACE CASING</td> </tr> <tr> <td style="padding: 5px;">TOP MEMBER SALT LAKE</td> <td style="text-align: center;">3700</td> </tr> <tr> <td style="padding: 5px;">WASATCH</td> <td style="text-align: center;">4970</td> </tr> <tr> <td style="padding: 5px;">PRE CAMBRIAN</td> <td style="text-align: center;">6130</td> </tr> </tbody> </table>				32. GEOLOGIC MARKERS		NAME	ELEVATION	UPPER SALT LAKE MEMBER	BOTTOM OF SURFACE CASING	TOP MEMBER SALT LAKE	3700	WASATCH	4970	PRE CAMBRIAN	6130
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STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 2, 1985

North American Resources Co.  
16 East Granite  
Butte, Montana 59701

Gentlemen:

Re: well No. Hauser Farms 1-10 - Sec. 10, T. 13N., R. 1W.,  
Cache County, Utah - API #43-005-30013

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above referenced well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward it to this office as soon as possible, but not later than May 16, 1985.

Sincerely,

A handwritten signature in black ink that reads "Pam Kenna".

Pam Kenna  
Well Records Specialist

Enclosure

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File

0170S/60