

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/ABD. \_\_\_\_\_

DATE FILED 4-23-79

LAND: FEE & PATENTED  STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: 4-23-79

SPUDED IN:

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 5275' gr

DATE ABANDONED: 3-26-80 LOCATION ABANDONED WELL NEVER DRILLED

FIELD: Rush Valley 3/86 Wildcat

UNIT:

COUNTY: Tooele

WELL NO. Rush Valley East #3

API NO: 43-045-30008

LOCATION: 500' FT. FROM (N) ~~XX~~ LINE. 500' FT. FROM ~~XX~~ (W) LINE. NW NW 1/4-1/4 SEC. 21  
 609' 684' 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
7S	3W	21	INTERMOUNTAIN NATURAL RES.				

**FILE NOTATIONS**

Entered in NID File	.....✓.....	Checked by Chief	.....
Location Map Pinned	.....✓.....	Approval Letter	.....
Card Indexed	.....✓.....	Disapproval Letter	.....

**COMPLETION DATA:**

Date Well Completed .....	Location Inspected .....
WV..... WW..... TA.....	Bond released
OS..... PA.....	State or Fee Land .....

**LOGS FILED**

Driller's Log.....  
Electric Logs (No.) .....

E.....	I.....	Dual I Lat.....	GR-N.....	Micro.....
BHC Sonic GR.....	Lat.....	MI-L.....	Sonic.....	
CBLog.....	CCLog.....	Others.....		

*LWP*  
*3-18-92*

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

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Rush Valley Allen fee #3  
5. Lease Designation and Serial No.

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

Intermountain Nat. Resources

3. Address of Operator

130 E. 3900 South S. L. C. Utah 84107

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)

At surface 500 ft from the north + west lines of the NW 1/4, NW 1/4, sect 21 T. 7S, R. 3W.

At proposed prod. zone Manning Canyon Zones # 1-2-3

Great Blue Lime 1 & 2 same

500 FNL + 500 FWL

14. Distance in miles and direction from nearest town or post office\*

8 miles southwest of Fairfield

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

500'

16. No. of acres in lease

640

17. No. of acres assigned to this well

40

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

Wildcat

19. Proposed depth

300'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

Ele 5200' Gr.

22. Approx. date work will start\*

April 15, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
<u>11 3/4"</u> <u>6 1/2" drilling hole</u>	<u>7 1/8"</u>	<u>22 3/4 per ft</u>	<u>Prox 100+ 300'</u>	<u>To surface</u>

6" Regan Toris Blowout preventer 6000 PSI

Blind or pipe rams

Grant 6" Rotating Head

11" to set 7" case 22 7/7

6 1/2" hole

**CONFIDENTIAL**

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 Bert Hunt Title V. President Date 4/11/79  
Phone No - 531-7694

(This space for Federal or State office use)

Permit No. .... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

\*See Instructions On Reverse Side

*Hold Confidential*

SCOTT M. MATHESON  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
April 11, 1979

CHARLES R. HENDERSON  
*Chairman*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

CLEON B. FEIGHT  
*Director*

State Treasurer's Office  
Room 215  
State Capitol Building  
Salt Lake City, Utah

ATTENTION: Gladys Linschoten, Accounting Technician

Dear Gladys:

Please find attached hereto a "Certificate of Deposit" in the amount of \$5,000.00 and dated April 9, 1979.

Said certificate shall act as a drilling and plugging bond on behalf of this Division and Intermountain Natural Resources, to be released at such time as plugging operations have been completed. Such liability may not be released without the written consent of this Division.

Please retain said certificate for safekeeping on behalf of this office.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

RECEIVED:  
State Treasurer

\_\_\_\_\_  
Name/Title

\_\_\_\_\_  
Date

# CONFIDENTIAL

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: April 12, 1979

Operator: INTERMOUNTAIN NATURAL RESOURCES

Well No: RUSH VALLEY EAST 3

Location: Sec. 21 T. 7S R. 3W County: UTAH TOOELE

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-045-30008

CHECKED BY:

Administrative Assistant: \_\_\_\_\_

Remarks:

Petroleum Engineer: M.J. Winder 4-23-79

Remarks: May be approved with 500' of casing & a blind or pipe ram conditional on <sup>on site</sup> inspection prior to drilling.

Director: 7

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. \_\_\_\_\_

Surface Casing Change   
to \_\_\_\_\_

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3

O.K. In \_\_\_\_\_ Unit

Other:

Letter Written/Approved

SCOTT M. MATHESON  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON  
*Chairman*

CLEON B. FEIGHT  
*Director*

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

April 23, 1979

Intermountain Natural Resources  
130 East 3900 South  
Salt Lake City, Utah 84107

Re: Rush Valley East #2, Sec. 20, T. 7S, R. 3W, Tooele County, UT  
Rush Valley East #3, Sec. 21, T. 7S, R. 3W, Tooele County, UT  
Rush Valley East #4, Sec. 21, T. 7S, R. 3W, Tooele County, UT

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

These wells are approved subject to the following conditions:

That 300' of surface casing be set; that either a blind ram, a pipe ram, or both be used in conjunction with your blowout preventer; and that this Division make an on-site inspection of the location and equipment prior to drilling of the well.

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

MICHAEL T. MINDER - Geological Engineer  
HOME: 876-3001  
OFFICE: 533-5771

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

Intermountain Natural Resources  
April 23, 1979  
Page 2

Further, it is requested that this Division be notified within 24-hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are as follows:

Rush Valley East #2 - 43-045-30007  
Rush Valley East #3 - 43-045-30008  
Rush Valley East #4 - 43-045-30009

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

  
Cleon B. Feight, Director

CONFIDENTIAL

May 16, 1979

MEMO TO FILE

Re: INTERMOUNTAIN NATURAL RESOURCES  
Well No. Rush Valley #~~4~~ 3  
Sec. 21, T. 7S, R. 3W  
Tooele County, Utah

This well has not as yet been spudded-in.

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT, DIRECTOR

CBF/1w

for the  
well file

July 2, 1979

~~Intermountain Natural Resources~~  
Mr. Bert Hunt, Vice President  
130 East 3900 South  
Salt Lake City, Utah 84107

Dear Mr. Hunt:

Pursuant to our conversation at the well site in Rich Valley on June 29, 1979, you are permitted to drill at a specified location as stated on your application to drill, and at no other point. It is required to have a licensed surveyor prepare a plat showing the proposed location and stake the location. You are expected to drill and complete at this designated location after receiving approval of your application. Any changes in location or your drilling program must be filed with our office and approval granted in writing prior to implementing any change.

In view of the water which was encountered in well #4 (at a depth of 425-450'), and at the other well you recently drilled east of your present location (at which you stated you are producing water from a depth of 330'), the 300' of 7 5/8" casing required in your original application is inadequate and must be increased to a minimum of 450' with cement circulated to the surface.

Please notify this office prior to setting casing as we would require that a member of the Division be on site when it is set.

Sincerely yours,

DIVISION OF OIL, GAS AND MINING

MICHAEL T. MINDER  
GEOLOGICAL ENGINEER

MTM:btm

cc: Cleon B. Feight  
Director

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

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Rush Valley Allen Fee #3

5. Lease Designation and Serial No.

Amended

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

INTERMOUNTAIN NATURAL RESOURCES

3. Address of Operator

130 East 3900 South, Salt Lake City, UT 84107

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)

At surface

684' East of Westline of NW $\frac{1}{4}$  and 609' South of the North line of the NW $\frac{1}{4}$  Sec. 21 T.7S R.3W, SLM

At proposed prod. zone

6. If Indian, Allottee or Tribe Name

Rush Valley East

7. Unit Agreement Name

Allen Fee

8. Farm or Lease Name

#3

9. Well No.

Rush Valley East

10. Field and Pool, or Wildcat

T.7S R.3W Sec. 21

11. Sec., T., R., M., or Blk. and Survey or Area

Tooele, Utah

14. Distance in miles and direction from nearest town or post office\*

8 Miles Southwest of Fairfield

12. County or Parrish 13. State

Utah

Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

609'

16. No. of acres in lease

640

17. No. of acres assigned to this well

40

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

Wildcat

19. Proposed depth

3000'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

Ele 5275 GR.

22. Approx. date work will start\*

August 1, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
14"	10 3/4	45.50	300'	To Surface, 140 bags
8 3/4 drilling hole				

9" Pipe Rams and blind rams 6,000 PSI  
Grant 9" Rotating Head

See Exhibit A & B

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

*Alan E. Jacobs*

Title

President

Date

7-17-79

(This space for Federal or State office use)

Permit No.

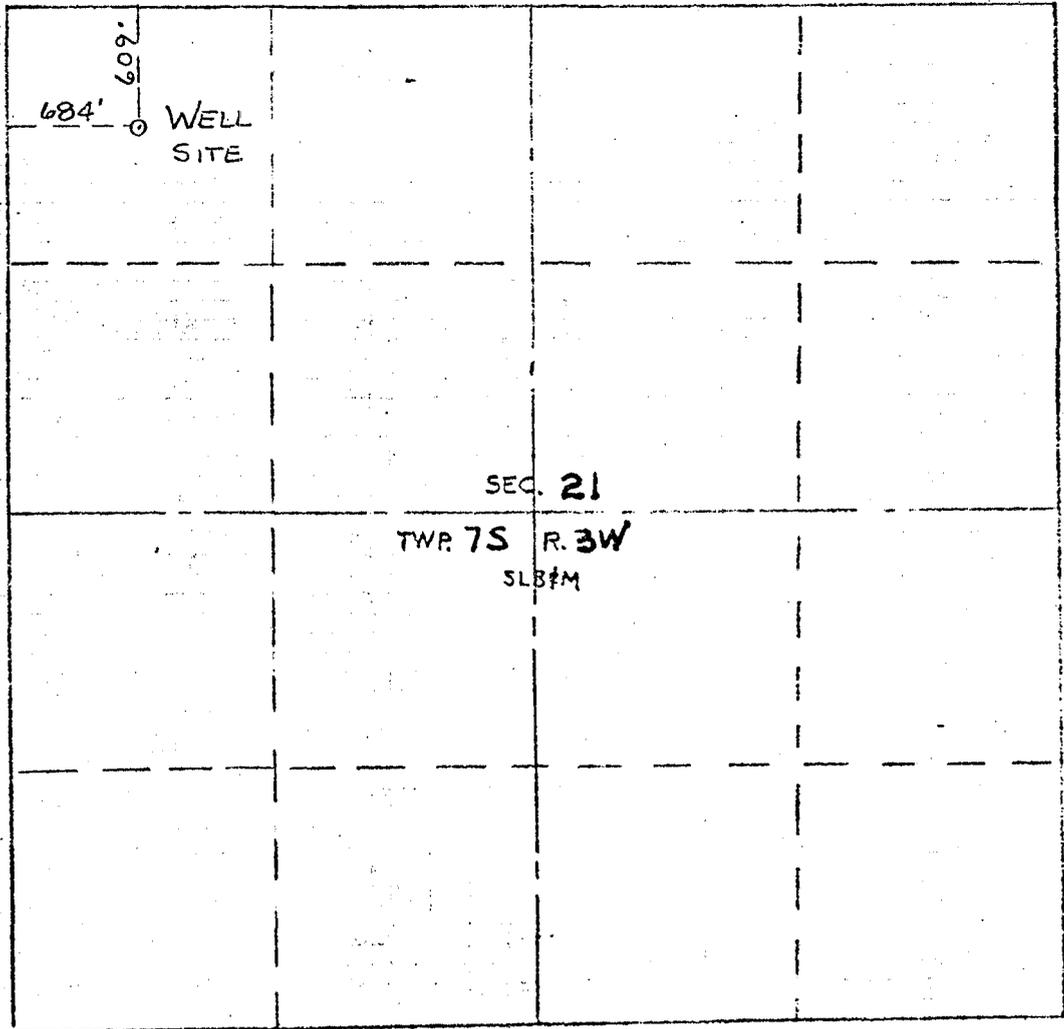
Approval Date

Approved by

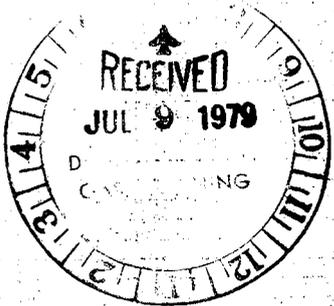
Title

Date

Conditions of approval, if any:



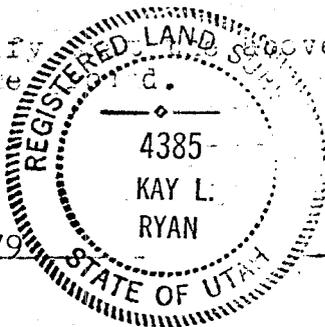
SCALE: 1" = 1000'



SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of West Jordan, Utah, do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plot of: Intermountain Natural Resources Fee #3 located 684 ft. East and 609 ft. South of the Northwest Corner of Section 21, Township 7 South, Range 3 West, Salt Lake Base & Meridian.  
Ground line elevation 5267 (APPROX.).

I further certify that the above plat shows the locations as staked on the ground.



Date Amended 7-7-79

*Kay L. Ryan*  
Lic. #4385

EXHIBIT "A"

The geologic reasons for the amended surveys on Allen Fee #2, #3, and #4 (Rush Valley East) is an interpreted linear fracture zone discovered in field mapping and encountered in Allen Fee #4 that extends west from the Thorpe Hills into the proximity of the original surveys. The Allen Fee #4 location was moved to the east from a north to south trending fault mapped in close proximity to original location and interpreted as a major control trapping fault.

Exhibit B

D U

T. 7 S R. 3 W

D U

fracture zone

fracture zone

Sec 20

Sec 21

fracture zone

lost circulation problems 650-

Drill site

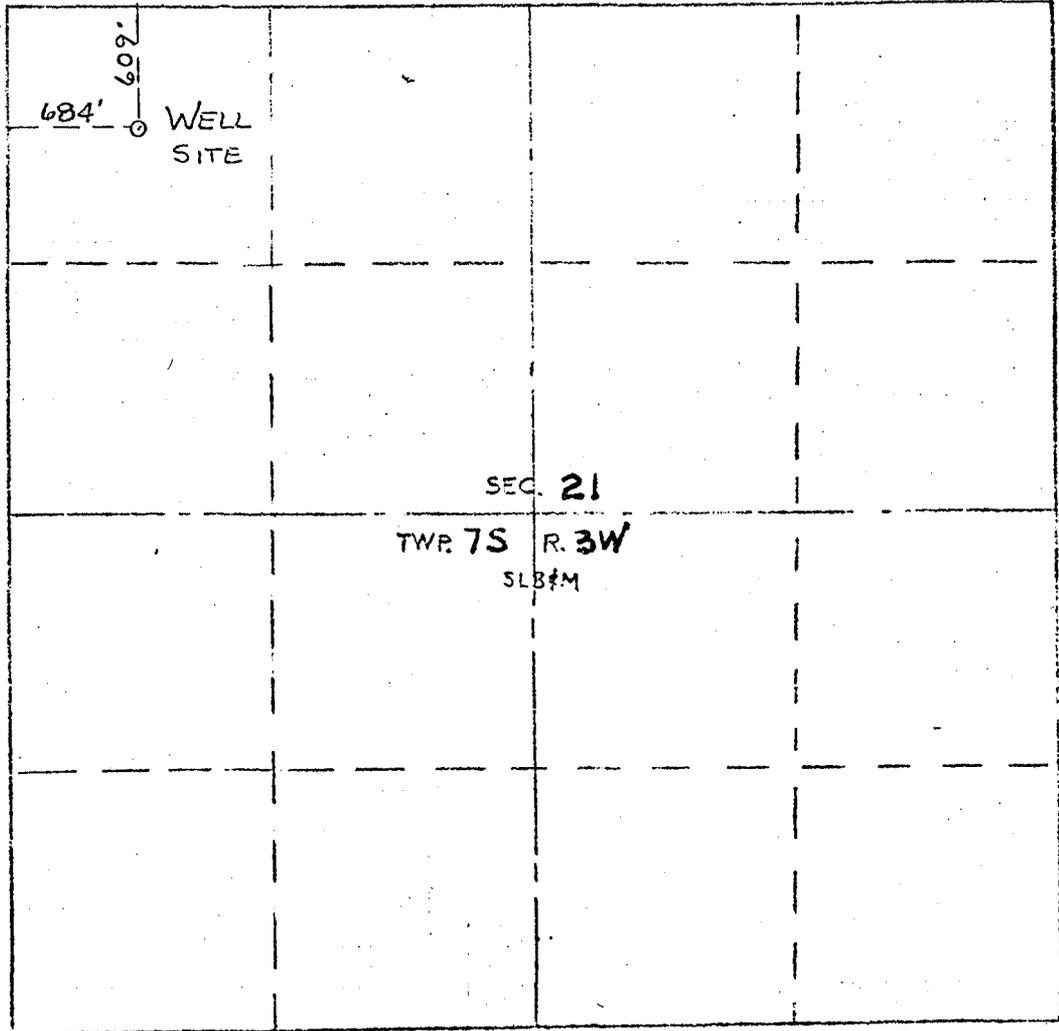
mineral test

Allen

lost circulation

large flow water



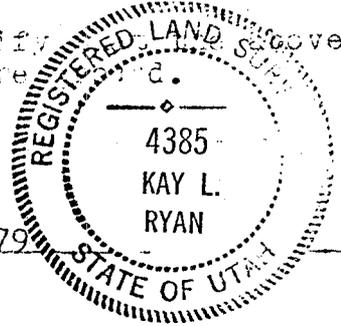


SCALE: 1" = 1000'

SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of West Jordan, Utah, do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plot of: Intermountain Natural Resources Fee #3 located 684 ft. East and 609 ft. South of the Northwest Corner of Section 21, Township 7 South, Range 3 West, Salt Lake Base & Meridian.  
 Ground line elevation 5267 (APPROX.).

I further certify that the above plat shows the locations as staked on the ground.



*Kay L. Ryan*  
 Lic. #4385

Date Amended 7-7-79

March 24, 1980

Intermountain Natural Resources  
130 East 3900 So.  
Salt Lake City, Utah 84107

Re: Well No. Rush Valley #3  
Sec. 21, T. 7S, R. 3W.  
Tooele County, Utah

Gentlemen:

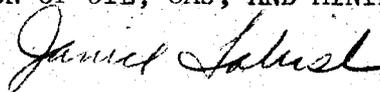
In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH  
CLERK-TYPIST

Intermountain National  
Resources came into  
the office and said  
to terminate the  
application. They aren't  
going to drill.

3-26-80