

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE **X** WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd _____

DATE FILED **11-9-84**

LAND: FEE & PATENTED **X** STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN _____

DRILLING APPROVED: **11-13-84 - GAS (Cause No.7-13)**

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: **5969' GR**

DATE ABANDONED: **V.A. Application Rescinded 4-28-86**

FIELD: **FERRON**

UNIT: _____

COUNTY: **EMERY**

WELL NO: **FERRON-MRC #25-B** API #**43-015-30212**

LOCATION: **690' FSL** FT. FROM (N) (S) LINE. **660' FEL** FT. FROM (E) (W) LINE **SE SE** 1/4 - 1/4 SEC. **3**

TWP. _____ RGE _____ SEC _____ OPERATOR _____

TWP. **20S** RGE **7E** SEC **3** OPERATOR **MOUNTAIN RESOURCE CORP.**

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

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

CONFIDENTIAL
WELL STATUS

16

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 Multiple Zone

2. Name of Operator
MOUNTAIN RESOURCE CORPORATION

3. Address of Operator
P.O. Box 27444, Salt Lake City, Utah 84127

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface
SE1/4SE1/4 of Section 3, T20S, R7E (660' FEL, 690' FSL)
At proposed prod. zone
As shown above

14. Distance in miles and direction from nearest town or post office*
1 Mile East of Ferron, Utah

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

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
7467 feet

21. Elevations (Show whether DF, RT, GR, etc.)
5,968.60 feet GR

5. Fee
6. Applicant's Address
7. Unit Agreement Name

8. Farm or Lease Name
Marathon-Fossil Fuel-Mnt. Resource

9. Well No.
Ferron-MRC #25-B

10. Field and Pool, or Wildcat
Ferron

11. Sec., T., R., M., or Blk. and Survey or Area
Section 3, T20S, R7E

12. County or Parrish 13. State
Emery County, Utah

16. No. of acres in lease
160 Acres

17. No. of acres assigned to this well
160 Acres

19. Proposed depth
1700 feet

20. Rotary or cable tools
Rotary

22. Approx. date work will start*
November 1984

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 1/2"	7 5/8"	20 lbs/ft.	140 ft.	Cement will be circulated
6 3/4"	4 1/2"	10.5 lbs/ft.	1700 ft.	to surface (350 sacks)

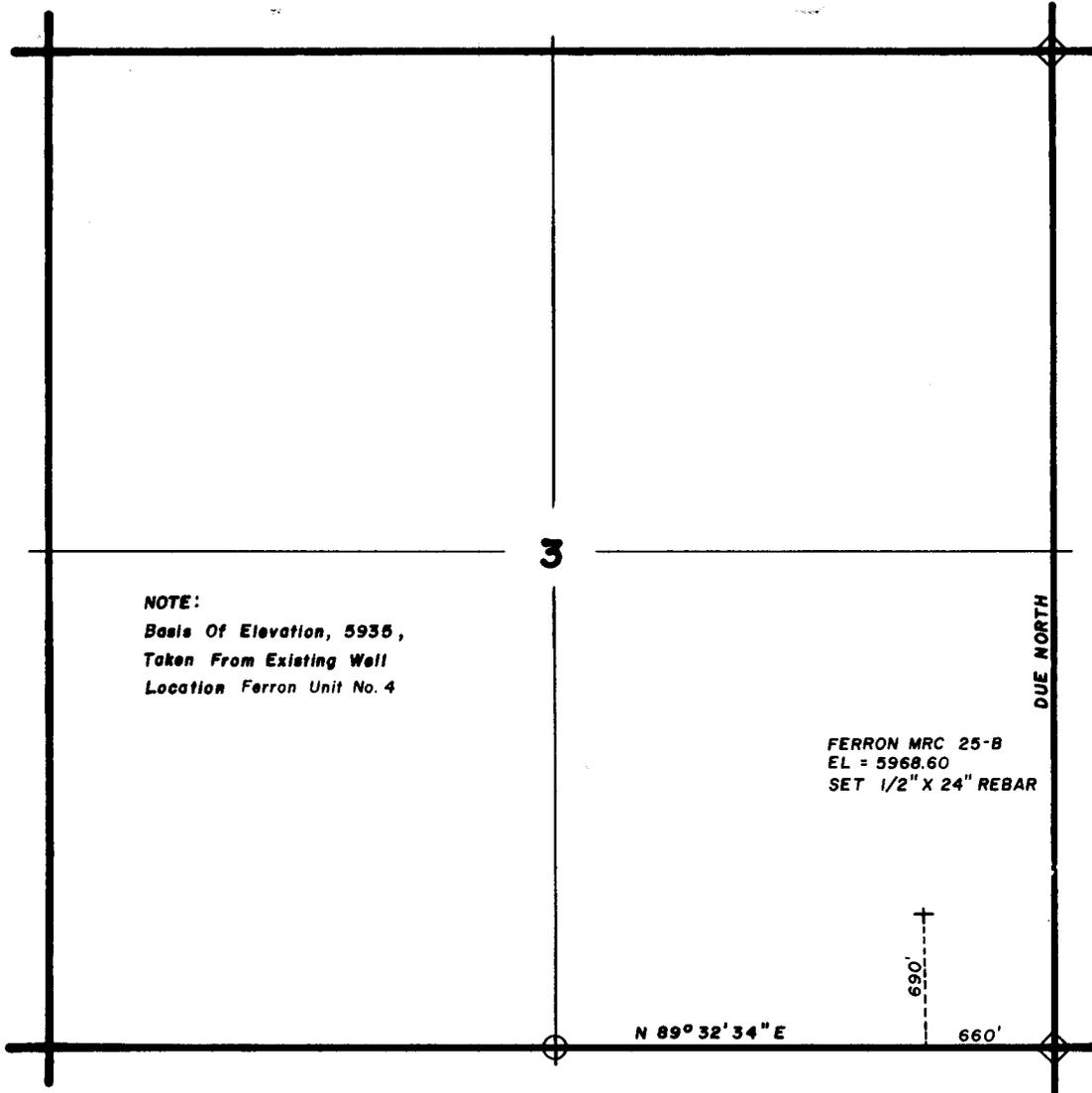
A. ESTIMATED TOPS: 1) MANCOS SHALE surface to Ferron Sandstone at 1224 ft. 2) TUNUK SHALE (bottom of Ferron) at 1500 ft. 3) Well TD. at 1700 ft. **B. GAS BEARING FORMATION:** Natural Gas is anticipated at the top and throughout the Ferron Formation. Natural gas will be protected by the casing programs as shown above (other minerals/hydrocarbons/water not anticipated). **C. PRESSURE CONTROL EQUIPMENT:** The blowout preventor to be used is designed to control up to 3,000 psi working pressures. The BOP will be inspected and operated daily, tested to 400 psi to insure proper operation and installed prior to drilling the surface casing plug and will remain in use until the well is completed. **D. SUPPLEMENTARY INFORMATION:** Anticipated pressure while setting surface casing to a depth of 150 feet is 60 psig. **E. CIRCULATING MEDIUM:** This well will be drilled using air as the circulating medium. KCL water will be used during the logging and casing programs. **F. LOGGING/TESTING PROGRAM:** Well will be drilled to a depth sufficient to fully test and evaluate the Ferron formation. Anticipated open hole logs include a gamma ray-caliper, compensated neutron density and dual induction log. No coring is planned. **G. ANTICIPATED PRESSURES/HAZARDS:** Bottom Hole pressure of 350 psig. No additional hazards are anticipated. Pressure will be controlled with BOP and fluids. **H. OTHER:** This well will be located on a 160 acre Spacing Unit (Order under Cause No. 7-11A as modified under Cause NO. 7-13).

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: V. Le Roy Hansen Title: Vice President Date: 11/6/84
(This space for Federal or State office use)

Permit No. _____ Approval Date _____
Approved by _____ Title _____
Conditions of approval, if any: _____

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/13/84
BY: [Signature]



NOTE:
 Basis Of Elevation, 5935,
 Taken From Existing Well
 Location Ferron Unit No. 4

FERRON MRC 25-B
 EL = 5968.60
 SET 1/2" X 24" REBAR



Basis Of Bearing

DUE NORTH, OBTAINED FROM THE GLO PLATS DATED JUNE 21, 1965, BETWEEN THE SE AND THE NE SECTION CORNERS, SECTION 3, T 20 S, R 7 E, S.L.B. & M.

Legend

- ◇ Found Brass Cap Section Corner
- Found Brass Cap One Quarter Corner

Surveyors Certificate

I, EVAN E. HANSEN, Do Hereby Certify That I Am A Registered Land Surveyor Holding Certificate No. 3115 As Prescribed Under The Laws Of The State Of Utah. I Further Certify That I Have Made A Survey Of The Tract Of Land Shown On This Plat And That It Is True And Correct To The Best Of My Knowledge.

Evan E. Hansen

10/29/84
Date

Empire Engineering

86 North 200 East Price, Utah 84501

**MOUNTAIN RESOURCE
 FERRON MRC NO. 25-B**

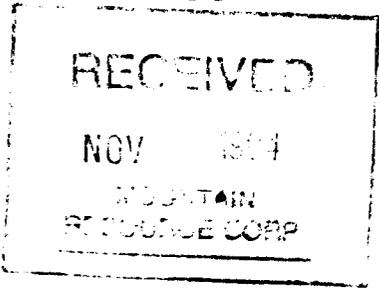
DRAWN BY: MHWK	APPROVED BY:	DRAWING NO. EEOG-087A
DATE: 10-29-84	SCALE: 1" = 1000'	

APPLICATION NO. 84-94-22
DISTRIBUTION SYSTEM

Application For Temporary Change of Point of Diversion Place or Purpose of Use STATE OF UTAH

RECEIVED

AUG 10 1984



(To Be Filed in Duplicate)

STATE ENGINEER
PRICE, UTAH

Salt Lake City, Utah August 5, 19 84
Place Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)

of water, the right to the use of which was acquired by A-8793 (95-227) (94-16)
(Give No. of application, title and date of Decree and Award No.)

to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- The owner of right or application is Muddy Creek Irrigation Company
- The name of the person making this application is Mountain Resource Corporation (For Max Ralphs)
- The post office address of the applicant is P.O. Box 27444, Salt Lake City, Utah 84127

PAST USE OF WATER

- The flow of water which has been used in second feet is
- The quantity of water which has been used in acre feet is 4.51 af
- The water has been used each year from March 1 to December 1 incl.
(Month) (Day) (Month) (Day)
- The water has been stored each year from November 1 to May 1 incl.
(Month) (Day) (Month) (Day)
- The direct source of supply is Muddy Creek in Emery County.
- The water has been diverted into North Fork Muddy ^{ditch}/_{canal} at a point located North 2° 59' West
14,893 feet from the SW Corner Section 33, T20S, R7E, SLB&M
- The water involved has been used for the following purpose: Supplimental irrigation of 2,516.5
acres located within the area served by the distribution system of Muddy Creek
Irrigation Company. Total 2,516.5 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- The flow of water to be changed in cubic feet per second is
- The quantity of water to be changed in acre-feet is 2.0 af
- The water will be diverted ~~into the~~ from a Regulating ^{ditch}/_{canal} ~~resevior loacted in the SW1/4NW1/4 Section 9, T21S, R7E, SLB&M located on land owned by Max H. Ralphs (see attached)~~
- The change will be made from September 1, 1984, to March 1, 1985
(Period must not exceed one year)
- The reasons for the change are Water is needed to drill oil/gas wells named Ferron-MRC #21
22, 23, 24, and 25 (see attached description for well locations.)
- The water involved herein has heretofore been temporarily changed 0 years prior to this application.
(List years change has been made)
- The water involved is to be used for the following purpose: see #15 above

Total _____ acres.
NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

Oil/Gas wells will be drilled with air. Water will be used for logging and
completion of wells.

A filing fee in the sum of \$100 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$5.00. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

1. N.A. Application received by Water Commissioner (Name of Commissioner)

Recommendation of Commissioner

2. AUGUST 10, 1984 Application received over counter in State Engineer's Office by AP
by mail
\$7.50

3. Fee for filing application, ~~5.00~~, received by ; Rec. No.

4. B-20-84 Application returned, with letter, to APPLICANT, for correction.

5. 11-5-84 Corrected application resubmitted over counter to State Engineer's Office.
by mail

6. Fee for investigation requested \$.....

7. Fee for investigation \$....., received by ; Rec. No.

8. Investigation made by ; Recommendations:

9. Fee for giving notice requested \$.....

10. Fee for giving notice \$....., received by ; Rec. No.

11. Application approved for advertising by publication by
mail

12. Notice published in.....

13. Notice of pending change application mailed to interested parties by as follows:
.....
.....

14. Change application protested by (Date Received and Name)

15. Hearing set for at

16. 11-6-84 Application recommended for rejection by AP
approval

17. 11-6-84 Change Application rejected and returned to AP
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
- 2.
- 3.

Mark P. Page
FOR State Engineer

RECEIVED
NOV 14 1983
MOUNTAIN
RESOURCE CORP.

RECEIVED
NOV 18 1983
WATER RIGHTS

Scott Christiansen
Secretary of the
Muddy Creek Irrigation Co.
P.O. Box 634
Emery, Utah 84522

RECEIVED
NOV 22 1983

STATE ENGINEER
PRICE, UTAH

TO WHOM IT MAY CONCERN:

I hereby verify and certify that according to the official records of the MUDDY CREEK IRRIGATION COMPANY, Max Ralphs of Ferron, Utah is the owner of Forty-seven and one-half (47 1/2) shares in the MUDDY CREEK IRRIGATION COMPANY.

DATED this 10th day of November, 1983.



Scott Christiansen, Secretary
Muddy Creek Irrigation Co.

RECEIVED

AUG 6 1984

MOUNTAIN
RESOURCE CORP.

Max Ralphs
P. O. Box 340
Ferron, Utah 84523

TO WHOM IT MAY CONCERN:

I MAX RALPHS hereby certify that I own Forty-Seven and one half (47 1/2) shares in the MUDDY CREEK IRRIGATION CO. and that I have reached an agreement to sell water to Mountain Resource Corporation to be used in their oil and gas drilling activities for the Ferron-MRC #21, 22, 23, and 24 Wells in Emery County, Utah.

Dated this 2 August 1984 day of August, 1984



Max Ralphs

CONFIDENTIAL

OPERATOR Mountain Resource Corp DATE 11-9-84
WELL NAME Simon-MRC #25-B
SEC SE SE 3 T 20S R 7E COUNTY Emery

43-015-30212
API NUMBER

Free
TYPE OF LEASE

CHECK OFF:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> PLAT | <input checked="" type="checkbox"/> BOND | <input checked="" type="checkbox"/> NEAREST WELL |
| <input checked="" type="checkbox"/> LEASE | <input checked="" type="checkbox"/> FIELD | <input checked="" type="checkbox"/> POTASH OR OIL SHALE |

PROCESSING COMMENTS:

Water Ok 84-92-22

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a 7-13 7/27/84
CAUSE NO. & DATE

c-3-b c-3-c

STIPULATIONS:



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

November 13, 1984

Mountain Resource Corporation
P.O. Box 27444
Salt Lake City, Utah 84127

Gentlemen:

Re: Well No. Ferron-MRC #25-B - SESE Sec. 3, T. 20S, R. 7E
690' FSL, 660' FEL, Emery County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 7-13 dated July 27, 1984.

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) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
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 43-015-30212.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

gl
Enclosures
cc: Branch of Fluid Minerals



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

March 28, 1986

Mountain Resource Corporation
P.O. Box 27444
Salt Lake City, Utah 84115

Gentlemen:

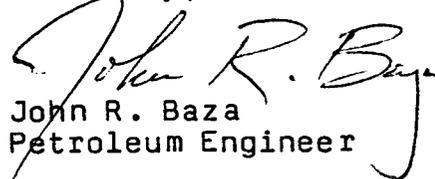
RE: Well No. Ferron-MRC 25-BA, Sec.3, T.20S, R.7E,
Emery County, Utah, API NO. 43-015-30212

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice.

If it is your intent to proceed with operations on the well, you must submit a request for extension of the approval to drill within the one month grace period. After the grace period, a new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

cc: D. R. Nielson
R. J. Firth

Well title
0278T-11

NAME	ACTION CODE(S)	INTL
NORM		<i>M</i>
TAMI	<i>3A - Reloc</i>	<i>A</i>
VICKY		<i>A</i>
CLAUDIA		
STEPHANE	<i>1</i>	<i>B</i>
CHARLES		
RULA	<i>2</i>	<i>R</i>
MARY ALICE		
CONNIE		
MILLIE		
PAM	<i>File, Reloc</i>	<i>A</i>

Required Action Code

1. Data Entry
2. Filming
3. Posting
 - a. Card Index
 - b. File Label
 - c. Lists
4. Bonding Verification
5. Other (See Norm)