



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

74 West Main Street • P.O. Box 718 • Price, UT 84501 • 801-637-1303

January 3, 1984

Mountain Resources Co.
Attn: Max Ralphs
P.O. Box 27444
Salt Lake City, Utah 84127

Re: Temporary Change Appl. No. 83-95-22

Dear Mr. Ralphs:

The above numbered Temporary Change Application has been approved. A copy is herewith returned to you for your records and future reference.

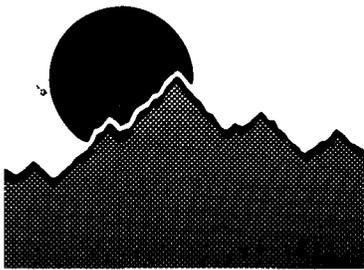
Sincerely,

A handwritten signature in cursive script that reads "Mark P. Page".

Mark P. Page
Area Engineer
for Dee C. Hansen, P.E.
State Engineer

Enclosure

DCH/MPP/mjk



**MOUNTAIN
RESOURCE
CORPORATION**

January 5, 1984

**CONFIDENTIAL
WELL STATUS**

Mr. Ronald J. Firth
Chief Petroleum Engineer
State of Utah Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Reference: Permit for Well No. Ferron-MRC #17;
SE 1/4 SW 1/4 SW 1/4 Sec. ~~47~~, T21S, R7E (1830
FNL, 660 FEL) Emery County, Utah

Dear Ron:

Enclosed is our application for the above referenced well. This application has been submitted to the Bureau of Land Management and is in the process of being approved.

Also, I have enclosed our approved application and letters for the purchase of water for this and several other wells.

If you have any questions, please call.

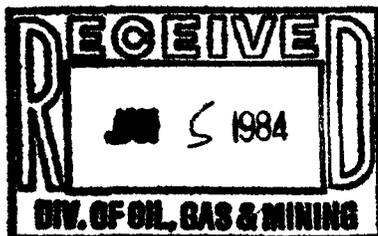
Thank you.

Sincerely

MOUNTAIN RESOURCE CORPORATION

V. LeRoy Hansen
Vice President

Encl:
VLH/lt



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
 P.O. Box 27444 - 1800 South West Temple - SLC, Utah 84127

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 SE1/4NE1/4 Section 4 (1830;FNL,660 FEL)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

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

16. NO. OF ACRES IN LEASE
 160

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1320 feet

19. PROPOSED DEPTH
 1300 feet

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6223.52 GR

22. APPROX. DATE WORK WILL START*
 January 1984

23. 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 lb/ft	100	Cement will be circulated to surface (250 sacks)
6 3/4"	4 1/2"	10.5 lb/ft	1200	

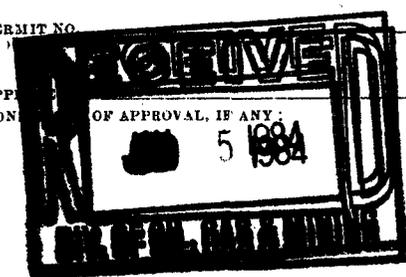
It is proposed to fully test and evaluate the Ferron Formation by drilling through the Ferron into the Tununk shale. Air will be used as the circulating medium. No coring is planned. The logs will be a gamma ray-caliper, compensated neutron density and dual induction guard. All federal and state regulations will be adhered to.

CONFIDENTIAL
WELL STATUS

19. 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.

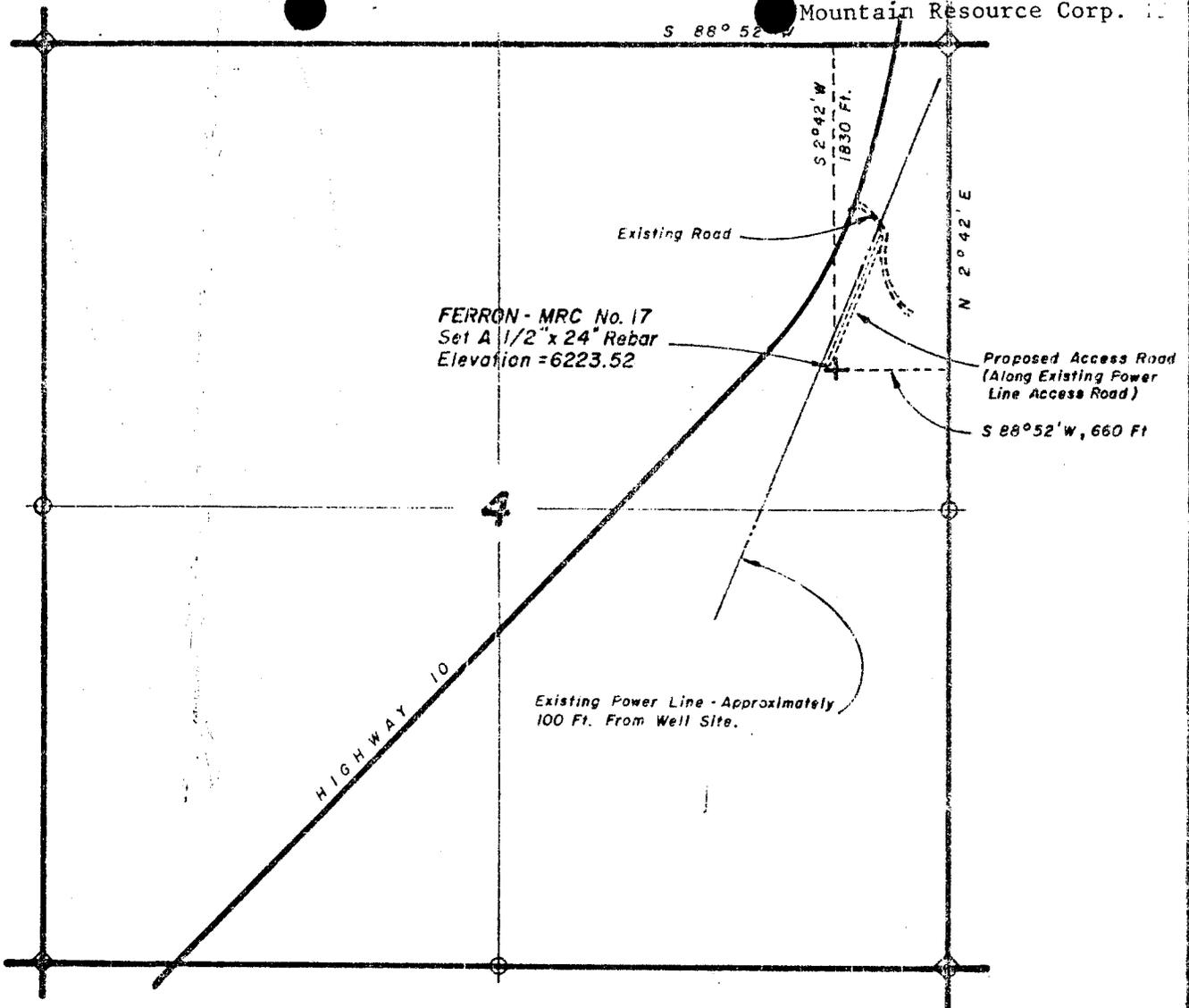
24. SIGNED V. LeRoy Hansen TITLE Vice President DATE 12/20/83
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APP. OF APPROVAL, IF ANY: _____ TITLE _____
 CON. OF APPROVAL, IF ANY: _____



APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: 1/9/84
 BY: [Signature]

Township 21 South



FERRON - MRC No. 17
Set A 1/2" x 24" Rebar
Elevation = 6223.52

Proposed Access Road
(Along Existing Power
Line Access Road)

S 88° 52' W, 660 Ft

Existing Power Line - Approximately
100 Ft. From Well Site.

Basis Of Bearing

N 2° 42' E - Obtained From G.L.O. Plat Dated
June 21, 1965, Between The East 1/4 Corner And The
Northeast Corner Of Section 4, T21S, R7E, 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

DEC. 13, 1983
Date

Empire Engineering
86 North 200 East Price, Utah 84501

Mountain Resource Corp.
Ferron MRC No. 17

DRAWN BY: B.L.P.	APPROVED BY:	DRAWING NO. EE06-062 B
DATE: 12/13/83	SCALE: 1" = 1000'	



CONFIDENTIAL WELL STATUS

WELL CONTROL EQUIPMENT

1. Surface Casing:
 - a. Hole size for the surface casing will be 9 1/2".
 - b. Setting depth for the surface casing will be approximately 100'.
 - c. Casing Specifications are 7 5/8" o.d.; H-40, 20 lb/ft Condition "A".
 - d. Anticipated pressure at setting depth is approximately 40 psig.
 - e. Casing will be run and cement will continue to be mixed until returns are evident at surface.
 - f. Top of the surface casing will be at ground level.

2. Casing head:
 - a. The flange size will be 6" series 300 new, equipped with 2 inch ports with nipples and 2" 1,000 lb. working pressure valves. Casing head and valves will be set above ground.

3. Intermediate Casing:
 - a. None

4. Blowout Preventers:
 - a. Figure four is a schematic of the control system for drilling the proposed wells. The control system is designed to handle up to 3000 psi working pressure.

5. Auxilliary Equipment
 - a. All that is standard for safe and prudent air drilling operations.

6. Anticipated Pressures:
 - a. The anticipated pressure that is expected to be encountered will be approximately 350 psig.

7. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the

well is completed. The B.O.P. will be inspected and operated daily to insure good mechanical working order and this inspection recorded on the daily drilling report. The B.O.P. will be tested to 400 lbs psi for ten minutes before drilling the casing cement plugs. All B.O.P. pressure tests will be recorded on the daily drilling report. The B.O.P. provided will have a full opening stabbing valve to fit the drill pipe when the Kelly is out of the B.O.P.

8. Water trucks used for hauling water will use existing access routes only as specified in the application. All water, trash, cutting, oils, sewerage and other waste materials will be placed in pits.

9. All drilling, reserve and water pits will be fenced as shown in figure 3 using steel posts and non-barbed fencing wire from the time the pits are dug until they are refilled.

The drilling rig is truced mounted which will require a minimum pad size (figure 3) however, operation requires a cellar for the B.O.P.

OPERATIONS AND SURFACE USE PLAN

1. WELL LOCATION AND EXISTING ROADS The attached plat (figure 1) shows the location of the proposed well site. Figure 2 shows the access route from State Highway 10 to the well site. The well site is approximately 4 1/2 miles south of Ferron, Utah along State Highway 10. The well location will be on private lands.

2. PLANNED ACCESS ROAD: As indicated in the above statement, the access road will originate off an existing BLM surface road. Access is planned using an existing road off of highway 10 east acrossed the center of the NE1/4 of Section 4 approximately 250 feet, then southwesterly along the pwoer line 1,000 feet to the wellsite. The access road will originate on Mancos Shale and will not be graded (except for washes if required) during the drilling of this well all water bars and turn outs will be flagged by BLM personal. If the well is productive, the road will be contoured, sloped and ditched (if required). If in the event a dry hole water bars will be made and the road and surface restored to, as closely as possible, original conditions.

3. LOCATION OF EXISTING WELLS Figure two (2) indicates wells in the immediate area that are productive. There are no other known wells, either productive, abandon or dry near this location other than those shown on the attached drawing.

4. LOCATION OF PRODUCTION EQUIPMENT A diagram of production equipment is attached (figure 5) indicating production equipment for a gas well. All line will be coated and wrapped and buried. The land usage for this equipment will be held to an absolute minimum. After operations cease, and provided surface disturbances have occurred the surface will be leveled and sloped to pre-existing conditions. Recommendations for reseeding as given by the B.L.M. will be followed on any disturbances occuring on government lands.

✓ 5. WATER SUPPLY: It is anticipated that water usage will be extremely minimal. The water so used will be obtained from a private source (pond) 1 mile east and south. There are no present plans for using salt water except for a 3 to 6% KCL solution that will be used during completion operations.

6. ROAD MATERIAL: It is not expected that road material will be required. Existing roads presently in place will be used to a minimum. On government lands, if required, the top six (6) inches of soil material will be removed and stockpiled for use in restoration (loose weathered shale). Redistribution of this material will occur following cessation of completion operations. Reuse of this weathered material shall be done as requested by the jurisdictional B.L.M. office.

7. WATER DISPOSAL A small reserve pit (12 x 20) will be used as a blooie line collection pit as well as a storage pit for the small amount of water used in drilling to be located near the rig.

8. CAMP FACILITIES AND AIRSTRIP: The entire drill site will be located on private lands. No additional ground or facilities will be used for camp facilities. Toilet facilities will be provided at the drillsite. There are no plans for an airstrip. For emergency facilities the Carbon County or the Huntington airport, will be used.

9. WELL SITE LAYOUT: The plan for the layout of the drilling equipment is indicated in figure 3. There may be slight additions and/or deletions that may occur if the drilling contractor decides to add or delete from his present facilities. As this location is relatively flat, a minimum amount of cut and/or fill will be needed. As previously noted, two diagrams indicating the production layout are attached.

10. RESTORATION: After drilling operations have been concluded and equipment removed, the well site area will be cleaned, leveled, and restored to normal. The pits will be covered and all trash will be removed. Reseeding on any disturbed public lands along the access road will be done direction of the B.L.M. Any disturbed public lands will be scarified with the contour to a depth of four (4) inches. Seed will be broadcast at the time specified by the BLM including 1 lb/acre Indian Recegrass; 1 lb/acre fourwing saltbrush; 1 lb/acre crested wheatgrass; 1 lb/acre alkali saca on; and 1 lb/acre yellow sweetclover. Mountain Resource Corporation will be using Pacific National Gas Company/ Nationwide Federal Bond as designated operator.

11. LAND DESCRIPTION Note para. no. 1 above. This area is fairly flat. The Wasatch Plateau is to the West and the San Rafael Swell lies to the East.

12. REPRESENTATION: Mountain Resource Corporation is the designated Operator of the lease. The Operators supervisor will be Frederick G. Jaeger, 1731 Oakridge Drive, SLC, Utah. (801) 487-1773

13. CERTIFICATION I hereby certify that I or persons under my direct Supervisions, have inspected the proposed drill-site and proposed access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by the Mountain Resource Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

dated this 20th day of December, 1983

MOUNTAIN RESOURCE CORPORATION


Frederick G. Jaeger

1. The surface material is weathered Mancos Shale mixed with fine-grained aeolian silt-stone. Some of the cliff exposures include the Upper Ferron Sandstone.

2. The estimated tops of important and recognizable geologic markers are:

Mancos Shale.....surface
Lower Ferron.....1,000 ft
Tununk Shale.....1,200 ft

3. The estimated depths at which important water oil and gas is expected to be encountered are:

Lower Ferron Sand.....1,000 ft.....Gas and/or Oil

No water sands are expected to be encountered while drilling this well.

4. The casing program as previously indicated will consist of 100 feet of 7 5/8 inch, 20 lb/ft surface casing and 1500 feet of 4 1/2", 10.5 lb/ft production casing. The surface casing will be set and cement will be circulated to surface. The 4 1/2" production string will be cemented with 250 sacks of cement. This is a calculated 25% excess amount of cement necessary to cement the entire string to surface.

5. The schematic diagram of the B.O.P. is attached. The 3000 psig working configuration will be used. Also dependent upon the height from ground level to the return flow, a hydril or equivalent type of B.O.P. will be utilized as the top piece of the B.O.P. stack.

6. It is planned to drill this well using air as the circulating medium. The only water anticipated to be used will be that employed in cementing the casing.

7. The auxiliary equipment to be used will be that applicable to prudent air drilling practices. The bloopie line will be terminated at a minimum distance of 125 feet from the rig. A relatively small bloopie pit will be utilized. All drilling and reserved pits will be fenced per figure #3.

8. It is planned to utilize open-hole logs in this well. They will consist of a gamma ray, caliper compensated neutron density and dual induction guard.

9. It is not anticipated that any H2S, abnormal pressures or high temperatures will be encountered in drilling this well.

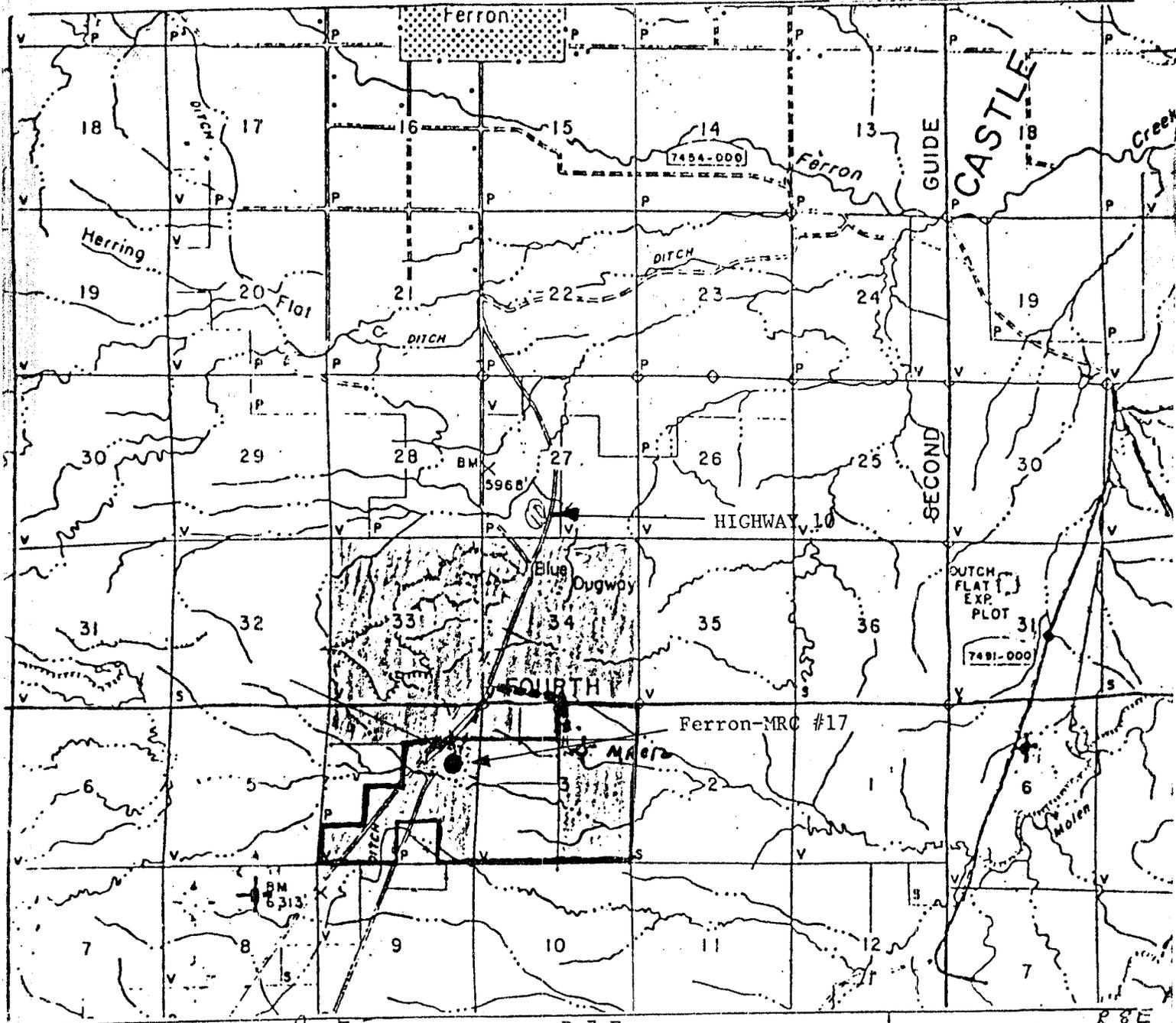
10. It is expected to commence operations upon permit approval. The estimated time to drill this well will be five (5) days.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Figure 2-A
FERRON-MRC #17 Well
Location Map (12-19-83)

S I T E M A P

Serial Number



LAND OWNERSHIP KEY AND ADDITIONAL TOPOGRAPHIC SYMBOLS

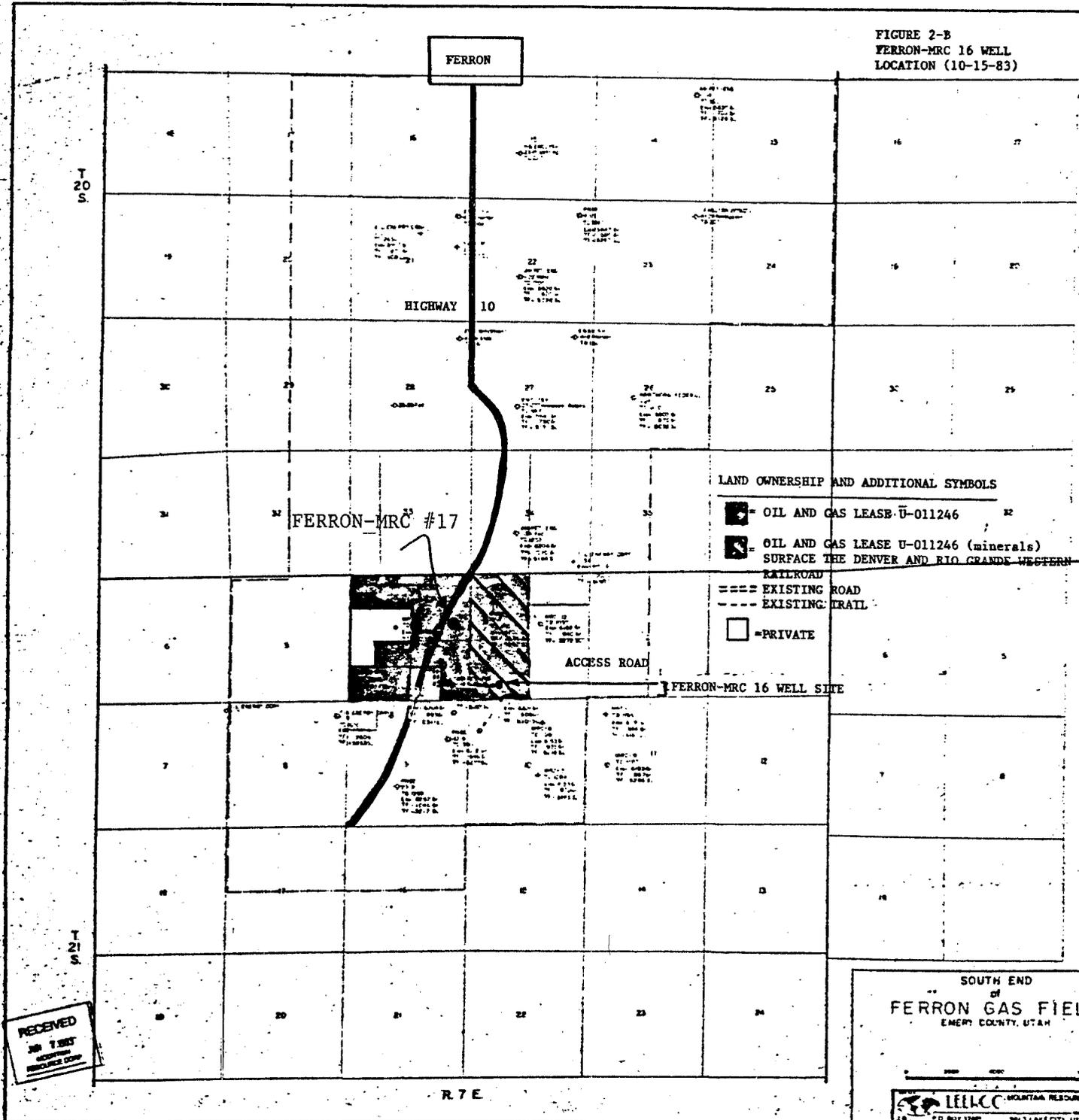
Scale: 1" = 1 mile

	Existing Access Road
	Public Land
	Oil and Gas Lease U-0112461
	Well Site Ferron-MRC #17

OTHER DATA
Map Source: Salt Wash
Unit Map
Location: T21S, R7E
SLM, Section 4

S I T E P L O T

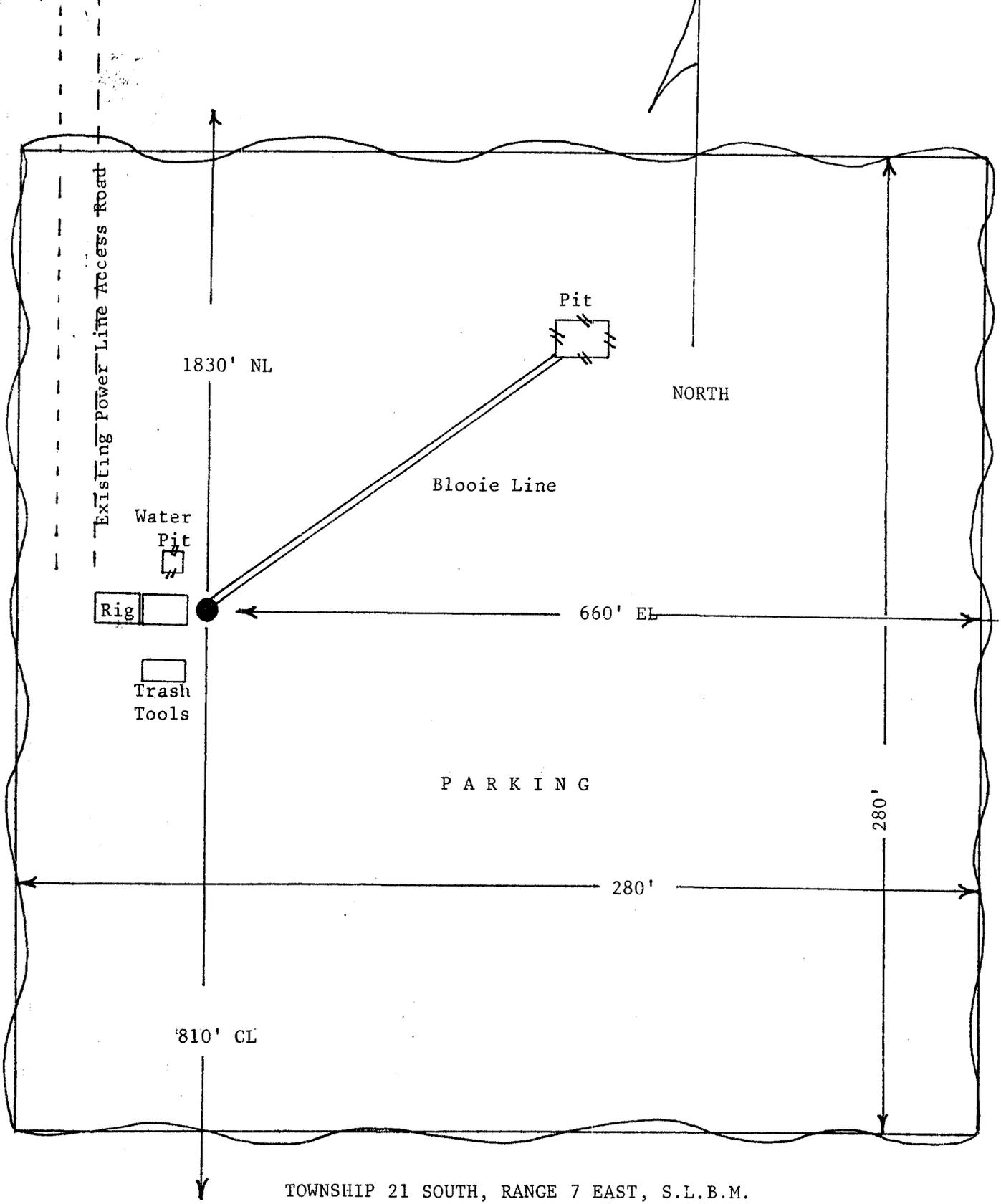
FIGURE 2-B
 FERRON-MRC 16 WELL
 LOCATION (10-15-83)



RECEIVED
 JUN 1 1984
 EMERY COUNTY RESOURCE DIV.

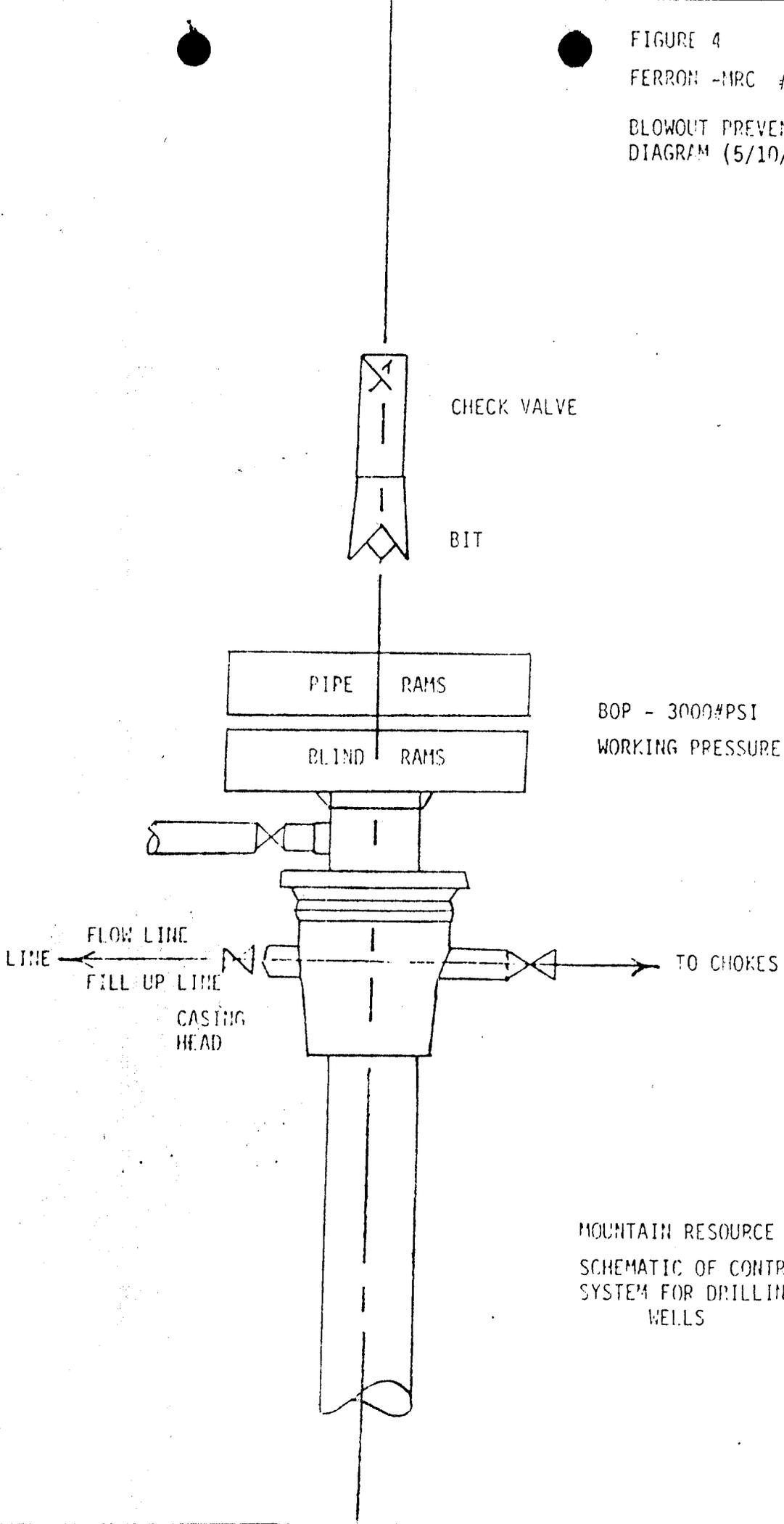
SOUTH END
 of
FERRON GAS FIELD
 EMERY COUNTY, UTAH

EMERY COUNTY RESOURCE DIV.
 100 BOY LANE
 SALT LAKE CITY, UTAH

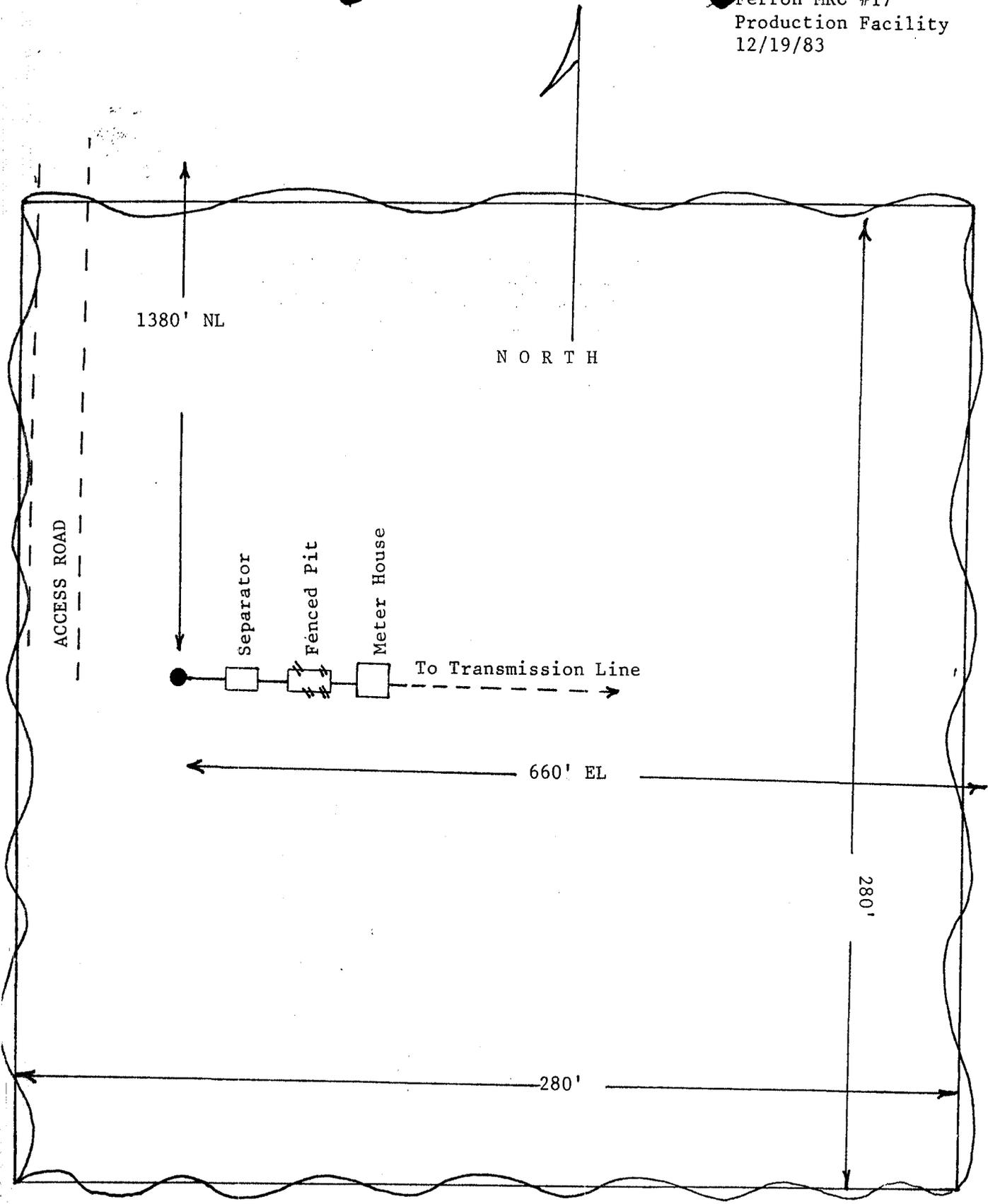


TOWNSHIP 21 SOUTH, RANGE 7 EAST, S.L.B.M.
IN THE SE1/4 of NE1/4 of Section 4

FIGURE 4
FERRON -MRC #17
BLOWOUT PREVENTER
DIAGRAM (5/10/83)



MOUNTAIN RESOURCE CORPORATION
SCHEMATIC OF CONTROL
SYSTEM FOR DRILLING
WELLS



TOWNSHIP 21 SOUTH, RANGE 7 EAST, S.L.B.M.
SE1/4 NE1/4 of Section 4

CONFIDENTIAL

OPERATOR Mountain Resource Corp. DATE 1-6-84

WELL NAME Ferron - MRC #17

SEC SENE 4 T 215 R 7E COUNTY Emery

43-015-30185
API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:

Water & - No other wells in the NE/4

CHIEF PETROLEUM ENGINEER REVIEW:

1/9/84
Order # 7-11A, 160 Acre spacing for Ferron ad.

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT c-3-a 7-11A 8-26-83 CAUSE NO. & DATE
- c-3-b c-3-c

SPECIAL LANGUAGE:

- 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.
- VERIFY LEGAL AND SUFFICIENT DRILLING WATER

January 9, 1984

Mountain Resource Corporation
P.O. Box 27444
1800 South West Temple
Salt Lake City, UT 84127

Re: Well No. Ferron-MRC #17
SENE Sec. 4, T. 21S, R. 7E
1830' FNL, 660' FEL
Emery County, Utah

Gentlemen:

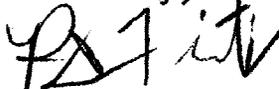
Approval to drill the above referenced gas well is hereby granted in accordance with Order of Cause No. 7-11A, August 26, 1983.

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 R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).

The API number assigned to this well is 43-015-30185.

Sincerely,



R. J. Firth
Chief Petroleum Engineer

RJF/gl

cc: Branch of Fluid Minerals
Enclosures

APPLICATION NO. 83-95-22
DISTRIBUTION SYSTEM

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

(To Be Filed in Duplicate)

RECEIVED
JAN 20 1984

RECEIVED
DEC 28 1983

DIVISION OF
OIL, GAS & MINING

Salt Lake City, Utah December 19 1983
Place Date STATE ENGINEER

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use of water, the right to the use of which was acquired by A-8793..(95-227.)
(Strike out written matter not needed)
(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 [REDACTED] 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 251 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 Creek at a point located North 2° 59' West
14,893 feet from the SW corner Sec. 33, T20S, R4E, SLB&M
- The water involved has been used for the following purpose: Supplemental irrigation of 2,516.5
acres located within the area served by the distribution system of Muddy Creek
Irrigation Company Total 2,516.4 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 [REDACTED] ditch at a point located from a Regulating
resevoir located 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 January 1, 1984, to August 1, 1984.
(Period must not exceed one year)
- The reasons for the change are Water is needed to drill oil/gas wells named [REDACTED]
[REDACTED] see attached descirpitons 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

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 \$5.00 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]
Signature of Applicant
in Resource Corporation

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 \$7.50. 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

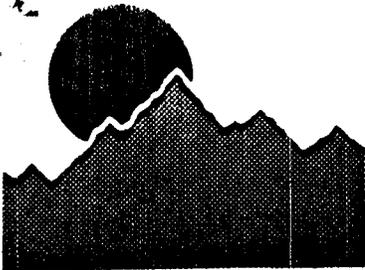
(Not to be filled in by applicant)

- Change Application No. (River System)
1. N.A. Application received by Water Commissioner (Name of Commissioner)
Recommendation of Commissioner
2. 12/21/83 Application received over counter by mail in State Engineer's Office by D&B
3. 12/21/83 Fee for filing application, \$7.50 received by D&B; Rec. No. 04181
4. Application returned, with letter, to for correction.
5. Corrected application resubmitted over counter by mail to State Engineer's Office.
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. 1-3-83 Application recommended for rejection approval by
17. 1-3-83 Change Application rejected approved and returned to Mtn. Resources Corp.

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1. WELL STATUS
2.
3. CONFIDENTIAL

Mark P. Pugh, Civil Engineer
FOR State Engineer



MOUNTAIN RESOURCE CORPORATION

December 19, 1983

Attachment
Form III 8-61-2M
MOUNTAIN RESOURCE CORPORATION

ITEM #15

<u>WELL NAME</u>	<u>LOCATION IN T21S</u> <u>R7E, Emery, County, Utah</u>
Ferron-MRC #17	SE1/4 NE1/4 of Section 4
Ferron-MRC #18	SW1/4 SE1/4 of Section 3
Ferron-MRC #19	NW1/4 SW1/4 of Section 10
Ferron-MRC #20	NE1/4 SE1/4 of Section 9

	<u>LOCATION IN T20S</u> <u>R7E, Emery County, Utah</u>
Ferron - MRS #15	SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 34

RECEIVED
JAN 20 1984

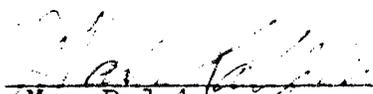
DIVISION OF
OIL, GAS & MINING

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 #17, ^{15, M.A.} 18, 19, and 20 Wells in Emery County, Utah.

Dated this 23 day of December, 1983



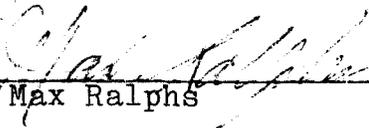
Max Ralphs

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 #17, ^{15 M.A.} 18, 19, and 20 Wells in Emery County, Utah.

Dated this 23 day of December, 1983



Max Ralphs

RECEIVED

NOV 14 1983

MOUNTAIN
RESOURCE CORP.

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

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.

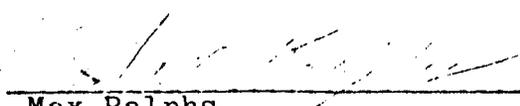
RECEIVED
NOV 18 1983
MOUNTAIN
RESOURCE CORP.

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 #16 Well in Emery County, Utah.

Dated this 17th day of November, 1983



Max Ralphs

RECEIVED

NOV 14 1983

MOUNTAIN
RESOURCE CORP.

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

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 Perron, 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
JAN 20 1984

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

filed

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

5. LEASE DESIGNATION AND SERIAL NO.
U-011246/U-09712-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD AND POOL, OR WILDCAT
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4, T21S, R7E, SLM

12. COUNTY OR PARISH
Emery

13. STATE
Utah

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
P.O. Box 27444 - 1800 South West Temple, Salt Lake City, Utah 84127

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 SE1/4NE1/4 Section 4 (1830;FNL,600 FEL)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

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

16. NO. OF ACRES IN LEASE
160

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.
1320 feet

19. PROPOSED DEPTH
1300 feet

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6223.52 GR

22. APPROX. DATE WORK WILL START*
January 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 lb/ft	100	Cement will be circulated to surface (250 sacks)
6 3/4"	4 1/2"	10.5 lb/ft	1200	

It is proposed to fully test and evaluate the Ferron Formation by drilling through the Ferron into the Tununk shale. Air will be used as the circulating medium. No coring is planned. The logs will be a gamma ray-caliper, compensated neutron density and dual induction guard. All federal and state regulations will be adhered to.

CONFIDENTIAL

RECEIVED
 DEC 21 1983
 Bureau of Land Management
 Branch of Fluid Minerals
 Salt Lake City, UT

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. Leroy Hansen TITLE Vice President DATE 12/20/83
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY s/Kenneth V. Rhea TITLE Associate District Manager DATE 3/14/84
 CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF
 GAS IS SUBJECT TO NTL 4-A
 DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

Mountain Resource Corporation
Well No. Ferron-MRC 17
Section 4, T. 21 S., R. 7 E.
Emery County, Utah
Lease U-011246

Supplemental Stipulation:

1. Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Ferron formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Mountain Resource Corporation

Well No. MCR #17

Location Section 4, T. 21 S., R. 7 E.

Lease No. U-011246

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216 Home Phone: _____

City: Moab State: Utah

Resource Area Manager's Address and contacts are: _____

Address: 900 North 700 East, P.O. Box AB, Price, Utah 84501

Your contact is: Mervin Miles

Office Phone: 801-637-4584 Home Phone: 801-748-2249

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MOUNTAIN RESOURCE CORP

WELL NAME: FERRON MRC #17

SECTION SENE 4 TOWNSHIP 21S RANGE 7E COUNTY EMERY

DRILLING CONTRACTOR FRONTIER

RIG # 3

SPUDDED: DATE 3-20-84

TIME 9:00 AM

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY ROY HANSEN

TELEPHONE # _____

DATE 3-21-84 SIGNED RJF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - SLC, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R4E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

- 3/23/84 - Ran 1,169 feet 4 1/2" (10.5 lb/ft. casing) and cemented (Halliburton)
- 4/10/84 - Ran CBL. Perforated with 3 1/8" SSB-II gun; 120° phasing, 4 shots per foot for a total of 60 holes from a depth of 1005 to 1020 feet GR.
- 4/11/84 - Gas present -currently evaluating gas flows and pressures for further completion activities.

CONFIDENTIAL WELL STATUS

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. LeRoy Hansen TITLE Vice President DATE 4/23/84

(This space for Federal or State office use)

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

GEOLOGICAL WELL REPORT
PREPARED FOR

MOUNTAIN RESOURCE CORPORATION

F E R R O N - M R C # 17
SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 4, T 21 S, R 7 E
Emery County, Utah

PREPARED BY:

JOHN D. ADAMSON
3098 Metropolitan Way
Salt Lake City, Utah 84109

6 April 1984

CONFIDENTIAL

WELL: FERRON - MRC #17
OPERATOR: Mountain Resources Corporation
DRILLING CONTRACTOR: Frontier Drilling, Inc.
LOCATION: SE $\frac{1}{4}$ NE $\frac{1}{4}$, section 4, Township 21 South, Range 7 East
COUNTY: Emery
STATE: Utah
ELEVATION: K.B. 6223.5', G.L. 6223.5'
COMMENCED DRILLING: March 20, 1984
CEASED DRILLING: March 22, 1984
CASING RECORD: 7" surface casing at 107'
TOTAL DEPTH: 1200'
DRILLING SUPERVISOR: Fred Jaeger, Roy Hansen
CORES: None
DRILL STEM TESTS: None
LOGS: Welex - Vernal, Utah
Engineer- Kraft
Dual Induction Guard Log
Compensated Density Neutron
Computer Analysed Log
Geologist Sample Log
940' to 1200' @ 10' Intervals
(Quality of samples - good)
HOLE DIFFICULTIES: None Reported
HOLE DEVIATION: None Reported
HOLE SIZE: 12 $\frac{1}{2}$ surface to 340'
6 $\frac{1}{2}$ to T.D.
STATUS: Set casing and cement, attempt completion

INTRODUCTION

The FERRON - MRC #17 well was drilled approximately $\frac{1}{4}$ mile northwest of the Ferron - MRC #16 gas well. Production associated with the Ferron Sandstone lies in a stratigraphic-structural trap and field development has been initiated by Mountain Resource Corporation. I arrived on location before, the top of the Ferron Sandstone member and logged 10' samples from 940' to T.D. All samples were examined by a binocular microscope and checked for fluorescence.

STRUCTURE

Surface maps and well control indicate an anticline trending north-south for approximately $6\frac{1}{2}$ miles. The high structural positions have produced gas and the FERRON - MRC #17 well lies on the west flank of the anticline some 106' lower than the Ferron - MRC #16 producer.

STRATIGRAPHY

Drilling began in the Cretaceous mancos Shale Formation. Bentonite reported at 944' and siltstone reported at 950'-960' indicates the top of the Ferron Sandstone Member which was drilled to a total depth of 1200'. The sandstones, siltstones, coals and shales encountered represented a paleo deltaic shoreline environment. Facies changes occur from well to well.

OIL & GAS SHOWS

The first hydrocarbon show was reported as a gas flare from the flow line during the 920' drill pipe connection. Drilling continued with a flare until the hole was mudded up for logging. The Compensated Density Neutron Log recorded "cross-overs", indicating potential gas zones. Fluorescence and a weak residual cut were found in samples but are not considered potential shows.

CONCLUSION

Examination of the logs, gas shows while drilling, and structural position indicate a potential for gas production. Casing has been set to total depth and a completion attempt will be made.

SAMPLE DESCRIPTION

DEPTH (IN FEET)

940-950 SHALE, dark gray, soft, fissile, calcareous, no fluorescence, trace BENTONITE, gray, soft

950-960 SHALE, medium dark gray, hard and soft, fissile, calcareous, BENTONITE, white, soft, trace SILTSTONE, medium dark gray, hard, calcareous, no fluorescence, trace CALCITE, pinpoint mineral fluorescence

960-970 SHALE, as above, SILTSTONE, as above, trace SANDSTONE, medium gray, very fine grained to silt, sub-rounded, moderately sorted, loose grains, calcareous, no fluorescence

970-980 SANDSTONE, as above, SHALE, as above, SILTSTONE, as above, no fluorescence

980-990 SANDSTONE, medium gray, very fine grained, sub-rounded, moderately sorted, loose grains, calcareous, trace black mineral, trace iron stain, no fluorescence, SHALE, as above

990-1000 SANDSTONE, medium light gray, very fine to fine grained, sub-rounded, poorly sorted, loose grains, slightly calcareous, trace black mineral, trace iron stain, no fluorescence

1000-1010 SANDSTONE, light gray, very fine to fine grained, trace medium grain, sub-rounded, poorly sorted, loose grains, slightly calcareous, trace black mineral, trace iron stain, trace glauconite, no fluorescence

1010-1020 SANDSTONE, as above

1020-1030 SANDSTONE, light gray, very fine to fine grained, sub-rounded, moderately sorted, loose grains, slightly calcareous, trace black mineral, trace iron stain, no fluorescence

1030-1040 SANDSTONE, as above, trace SHALE, medium dark gray, hard fissile, calcareous, no fluorescence

- 1040-1050 SANDSTONE, light gray, very fine to fine grained, sub-rounded, moderately sorted, loose grains, calcareous, trace black mineral, trace iron stain, trace dull yellow fluorescence, weak residual cut, trace pyrite
- 1050-1060 SANDSTONE, medium light gray, very fine to fine grained, sub-rounded, moderately sorted, loose grains, calcareous, trace black mineral, trace iron stain, no fluorescence, trace pyrite, trace SHALE, medium dark gray, hard, fissile, calcareous
- 1060-1070 COAL, black, hard, blocky, SHALE, as above
- 1070-1080 SANDSTONE, light gray, very fine to fine grained, sub-rounded, moderately sorted, loose grains, slightly calcareous, trace black mineral, trace iron stain, no fluorescence, trace COAL, as above
- 1080-1090 SANDSTONE, as above
- 1090-1100 SANDSTONE, as above, SHALE, medium dark gray, hard, fissile, calcareous, no fluorescence
- 1100-1110 SANDSTONE, medium gray, very fine to fine grained, trace medium, sub-rounded, poorly sorted, loose grains, slightly calcareous, trace black mineral, trace iron stain, no fluorescence
- 1110-1120 SANDSTONE, as above
- 1120-1130 SANDSTONE, light gray, fine grained, sub-rounded to sub-angular, well sorted, loose grains, clean, slightly calcareous, trace black mineral, trace iron stain, no fluorescence
- 1130-1140 SANDSTONE, light gray, very fine to fine grain, sub-rounded, poorly sorted, loose grains, calcareous, trace black mineral, trace iron stain, trace dull yellow fluorescence
- 1140-1150 SANDSTONE, medium gray, very fine grained, sub-rounded, well sorted, loose grains, calcareous, trace black mineral, no fluorescence, SILTSTONE, medium gray, soft, calcareous, SHALE, medium gray, soft, fissile, calcareous
- 1150-1160 SHALE, medium dark gray, hard, fissile, calcareous, no fluorescence, trace SILTSTONE, as above

WELL DATA

SYSTEM

FORMATION

DEPTH

Cretaceous

Mancos

Blue Gate Shale Member

Ferron Sandstone Member

Surface
946'

TOTAL DEPTH 1200'

8

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Celsius-Mt. Resource

9. WELL NO.

Ferron-MRC #17

10. FIELD AND POOL, OR WILDCAT

Ferron Area

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

Sec 4, T21S, R7E, SLM

12. COUNTY OR PARISH

Emery

13. STATE

Utah

19. ELEV. CASINGHEAD

6223.5 GR

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
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - 1800 South West Temple, SLC, Utah 84127

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)
At surface SE1/4NE1/4 Sec. 4 (1830' FNL; 660' FEL)

At top prod. interval reported below same as above
At total depth same as above

MAY 15 1984

14. PERMIT NO. 43-015-30185
DATE ISSUED
DIVISION OF OIL & GAS MINING

15. DATE SPUNDED 3/20/84
16. DATE T.D. REACHED 3/22/84
17. DATE COMPL. (Ready to prod.) 4/10/84
23. INTERVALS DRILLED BY Rotary
20. TOTAL DEPTH, MD & TVD 1202'
21. PLUG, BACK T.D., MD & TVD 1169'
22. IF MULTIPLE COMPL., HOW MANY* -
23. INTERVALS DRILLED BY Rotary
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*
1005' - 1020' Ferron Member of the Mancos

25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN
C.B.L. Gamma Ray Caliper, Compensated Neutron Density & Dual Induction
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
7" Ø	20 lbs/ft	107'	9 1/2"	30 sax - to surface	none
4 1/2" Ø	10.5 lbs/ft	1169'	6 1/2"	75 sax - 400' below surface	none

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" Ø	1,033	None

31. PERFORATION RECORD (Interval, size and number)
1005 - 1020 ft.; 0.440" (120° phasing)
4 shots per foot

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)
4/11/84	open flow	shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
4/11/84	2	1/8"		-	15	-	-

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
21 lbs			-	15	-	-

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Shut-in waiting on pipeline hookup

35. LIST OF ATTACHMENTS
Logs, geological well report

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

SIGNED: V. Leroy Hansen TITLE Vice President DATE 5/10/84

* (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 33, 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.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Ferron Sandstone	990	1160	Gas-Natural Dry ES 1020 BIU	Blue Gate Ferron	Surface 990 ft	990 ft 1160 ft

37. 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 RECOVERIES

GEOLOGIC MARKERS

38.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for well proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - SLC, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R4E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Awaiting pipeline connection

**CONFIDENTIAL
WELL STATUS**

RECEIVED

JUN 21 1984

DIVISION OF OIL
GAS & MINING
Set @ _____ Ft.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED W. Leroy Hansen TITLE Vice President DATE 6/25/84

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for ~~small~~ proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - SLC, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R4E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Awaiting pipeline connection

**CONFIDENTIAL
WELL STATUS**

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. LeRoy Hansen TITLE Vice President DATE 7/25/84

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. 011246

Communitization Agreement No. N/A

Field Name Ferron Field

Unit Name Emery Area; Utah Case #7 Unit 42

Participating Area Unit #42 - 320 Acres

County Emery State Utah

Operator Mountain Resource Corporation

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of July, 1984.

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Ferron MRC #17	SE1/4 NE1/4 Sec 4	T21S	R7E	GSI	0	----	0	0	Awaiting pipeline connection

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	0	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature]
Title: Vice President

Address: P.O. Box 27444, SLC, Utah 84127

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

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. See space 17 below.)
AT SURFACE: 1830' FNL, 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 4, T21S, R7E, S18M

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6223.52 GR

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Pipeline connection, metering			

CONFIDENTIAL
(NOTE: Report results of multiple completion or zone change on Form 9-330.)
WELL STATUS

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 pipeline connection and gas metering arrangement as shown in the attached site security plan is currently being installed.
The production volumes for the combined production of the Ferron-MRC #12 and #17 Wells will be measured by the MFS metering equipment shown.
A separate Mountain Resource Corporation production meter will be provided to measure production from the Ferron-MRC #17 Well. Production from the Ferron-MRC #12 will be determined by subtracting the #17 wells production from total production as measured by MFS meter

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V LeRoy Hansen TITLE Vice President DATE 8/8/84

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE District Mgr DATE 8/14/84
CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
AUG 17 1984
MOUNTAIN
RESOURCE CORP
IDENTIFICATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - SLC, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R4E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

CONFIDENTIAL
WELL STATUS

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Awaiting pipeline connection

6/29/84 Treated perforated zone (1005'-1020') with 3,000 SCF nitrogen pad, 15 bbls 15% HCL Acid, followed with 1300 SCF nitrogen, unloaded well.

8/2/84 Perforated new zones at 956-964'; 973-976' and 990-994' - 120° phasing 4 shots per foot (.440")

8/28/84 Waiting on pipeline connection

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. LeRoy Hansen TITLE Vice President DATE 8/25/84

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for ~~well proposals~~)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
P.O. Box 27444 - SLC, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mt. Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R4E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

Awaiting pipeline connection

RECEIVED

SEP 25 1984

DIVISION OF OIL
GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. LeRoy Hansen TITLE Vice President DATE 9/25/84

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
P.O. Box 27444, S.L.C., Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL, 660' FEL
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
Celsius - Mountain Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4, Section 4
T21S, R7E

12. COUNTY OR PARISH | 13. STATE
Emery | Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223 52 GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>NTL-2B</u>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

DISPOSAL OF PRODUCED WATER (NTL-2B)

- A. Approval is requested for disposal into an unlined pit.
- B. The volume of produced water from this well is .25 bbls/day = **90 bbls/yr.**
- Quantity per day (average) is approximately 10 gallons. Source is the Ferron Sands at a depth of 970 - 1000 feet.
 - Topographic map and pit dimensions provided with site security plan.
 - Evaporation rate: Annual = 25" per year - (8" rainfall) = 17" x (144" x 144") pit size = 352,512 cubic inches per year = **36 bbls/year.**
 - Estimated percolation rate = 5 bbls/day = **1,800 bbls/yr.**
 - Ferron Sandstone at 900 - 1100 ft. is the only known source of water and is the source from which the well is producing water.
 - Surface is two to four feet fill: then Manchos Shale from bottom of fill to the top of the Ferron formation 900 feet deep. There are no growing crops in the area.

Subsurface Safety Valve: Manuf. and type _____ Set @ _____ Ft.

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

SIGNED V. Le Roy Hansen TITLE Vice President DATE December 27, 1984

(This space for Federal or State office use)

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

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

CONFIDENTIAL
WELL

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/9/85
BY: John P. Dyer

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
BOX 27444 - Salt Lake City, Utah

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mountain Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R7E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

6/27/85 - Killed well with 3% KCC water

- Pulled tubing
- Treated perforated zone (1005' to 1020') in the Ferron Sand with HiJack, Radial Frac
- Run in tubing, performing flow and pressure tests.

Well will remain shut-in due to well and market conditions through September, 1985.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. Leroy Hansen TITLE Vice President DATE 8/5/85

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1-19

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
BOX 27444 - Salt Lake City, Utah

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mountain Resource

9. WELL NO.
Ferron-MRC #17

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE1/4NE1/4 Section 4
T21S, R7E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6,223.52 GR

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other)

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-
-

RECEIVED
FEB 10 1986

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

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.)*

EFFECTIVE 2/6/86 Ferron-MRC #17 temporary abandoned due to production level and gas market. Work over activity planned for July 1986.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED V. Leroy Hansen TITLE Vice President DATE 2/6/86

(This space for Federal or State office use)

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

MTN. RES.



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 12, 1986

TO: Well File Memo
FROM: J.R. Baza *JRB*
RE: Well No. Ferron-MRC 17, Sec.4, T.21S, R.7E, Emery County, Utah

The well file contains insufficient information to determine if the well is properly temporarily abandoned or not. The operator submitted a Sundry Notice dated February 6, 1986, indicating that the well was temporarily abandoned; however, there is no statement that a temporary plug was set to isolate the producing interval. The operator should be requested to submit written verification of the existence of any temporary plug, and the well status should be listed as SI producing well, until this has been adequately verified.

sb
0265T-40

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEASE	U-011246
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	Celsius-Mountain Resource
9. WELL NO.	Ferron-MRC #17
10. FIELD OR WILDCAT NAME	Ferron Area
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	SE1/4NE1/4 Section 4 T21S, R7E
12. COUNTY OR PARISH	Emery
13. STATE	Utah
14. API NO.	43-015-30185
15. ELEVATIONS (SHOW DF, KDB, AND WD)	6,223.52 GR

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
BOX 27444 - Salt Lake City, Utah

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FNL 660' FEL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

RECEIVED
MAR 17 1986
DIVISION OF OIL & GAS MINING

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

EFFECTIVE 2/6/86 Ferron-MRC #17 temporary abandoned due to production level and gas market. Work over activity planned for July 1986.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED V. Leroy Hansen TITLE Vice President DATE 2/6/86

APPROVED BY _____ TITLE BRANCH OF FLUID MINERALS DATE FEB 20 1986
CONDITIONS OF APPROVAL, IF ANY: _____
ACCEPTED MOAB-DISTRICT

*See Instructions on Reverse Side

Operator



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

April 7, 1986

Mountain Resource Corporation
1800 South West Temple #302
Salt Lake City, Utah 84115

Gentlemen:

Re: Well No. Ferron MRC 17 - Sec. 4, T. 21S., R. 7E.,
Emery County, Utah - API #43-015-30185

In order to determine if the referenced well is a temporarily abandoned well, it is necessary that the condition of the well bore comply with the requirements of Rule 315 (i) of the Oil and Gas Conservation General Rules.

A records review of the well file indicates that insufficient information is available to determine where, or if, temporary plugs have been set. Please provide sufficient information as to the condition of the well, to determine if any interval open to the well bore has been properly sealed with a cement plug or bridge plug, and if the well bore is isolated to prevent migration of fluids through or out of it.

Your response by April 27, 1986 will be appreciated, and should be addressed to:

Division of Oil, Gas & Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

A handwritten signature in black ink, appearing to read 'Norman C. Stout'.

Norman C. Stout
Records Manager

pk

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

0170S/4

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

SUBMIT IN TRIPLICATE*
(Leave instructions on reverse side)

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.)

5. LEASE DESIGNATION AND SERIAL NO.

U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Celsuis-Mountain Resource

9. WELL NO.

Ferron-MRC #17 Well

10. FIELD AND POOL, OR WILDCAT

Ferron Area

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

SE 1/4 NE 1/4 Section #4
T21S, R7E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
MOUNTAIN RESOURCE CORPORATION

3. ADDRESS OF OPERATOR
Box 27444 - SLC, Utah 84127

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

Section #4 SE1/4NE1/4 T21S, R7E
1830' FNL 600'FEL

14. PERMIT NO.
43-015-30185

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6,223.52 GR

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*

(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.)*

Temporarily shut in due to gas market.

RECEIVED
APR 24 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED [Signature]

TITLE Vice President

DATE 4/18/86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

PA

Operator name and address:

• MOUNTAIN RESOURCE CORP
 P O BOX 27444
 SALT LAKE CITY UT 84127
 ATTN: LEROY HANSEN

Utah Account No. N7130
 Report Period (Month/Year) 5 / 87
 Amended Report

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
X	FERRON MRC #12						
	4301530154	08224 21S 07E 3	FRSD				
X	FERRON MRC #16						
	4301530182	08225 21S 07E 3	FRSD				
X	FERRON MRC #18						
	4301530186	08226 21S 07E 3	FRSD				
X	FERRON MRC #17						
	4301530185	08227 21S 07E 4	FRSD				
X	FERRON MRC #2						
	4301530107	08228 21S 07E 10	FRSD				
X	FERRON MRC #19						
	4301530190	08229 21S 07E 10	FRSD				
X	FERRON MRC #20						
	4301530189	08230 21S 07E 9	FRSD				
X	FERRON-MRC #22						
	4301530209	10050 20S 07E 22	FRSD				
X	FERRON-MRC #27						
	4301530216	10051 20S 07E 22	FRSD				
X	FERRON-MRC #21						
	4301530208	10052 21S 07E 10	FRSD				
TOTAL							

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for well proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
Box 27444 - Salt Lake City, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SE1/4, NE1/4, Sec 4 (1830 FNL, 660
AT TOP PROD. INTERVAL: same FEL)
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

It is proposed to plug and abandon the described well. The Ferron-MRC #17 well is presently cased and cemented for 1150 feet with 4 1/2" 10.5 lb. casing and perforated with 4 shots/ft from 1005 to 1020 ft. There is 1050 feet of 2 3/8" tubing in well; no packer. We propose to P&A by circulating 75 sacks of class D cement to surface through the existing tubing leaving entire wellbore filled with cement plug and tubing. Appropriate P&A marker will be installed and the surface area reclaimed. All federal and state regulations will be adhered to.

Subsurface Safety Valve: Manu. and Type N/A Set @ _____ Ft.

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

SIGNED Frederick G. Jaeger TITLE President DATE 6/25/87

(This space for Federal or State office use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 7-7-87
BY: John R. Daja

DIVISION OF
OIL, GAS & MINING

RECEIVED
JUL 06 1987

Federal approval of this action is required before commencing operations.

5. LEASE 0-011246/U-09712-A **SGW**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A

7. UNIT AGREEMENT NAME 070820

8. FARM OR LEASE NAME Celsius-Mountain Resource

9. WELL NO. Ferron-MRC #17

10. FIELD OR WILDCAT NAME Ferron Area

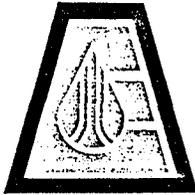
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T21S, R7E, SLBM

12. COUNTY OR PARISH Emery 13. STATE Utah

14. API NO. 43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD) 6223.5 GR

072828



QUESTAR ENERGY COMPANY

A SUBSIDIARY OF
MOUNTAIN FUEL RESOURCES, INC.

18185

79 SOUTH STATE STREET • P.O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400

RECEIVED
JUL 17 1987
MOUNTAIN
RESOURCE CORP.

July 15, 1987

RECEIVED
JUL 27 1987

DIVISION OF
OIL, GAS & MINING

Utah Natural Resources
Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Gentlemen:

Re: Ferron Field
Emery County, Utah

Please be advised that effective April 1, 1987, Questar Energy Company acquired Mountain Resource Corporation's interest in the Ferron Field Wells under the Agreement of Sale and Purchase dated June 9, 1987. This sale included the productive MRC Wells Nos. 2, 16, 18, 19, 20, 21, 22, and 27, and the non-productive MRC Wells Nos. 12 and 17. Questar Energy Company took over physical operation of the wells in June 1987.

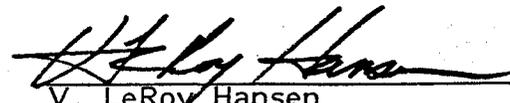
Any correspondence regarding these wells after April 1, 1987, should be directed to Questar Energy Company. If you require further information, please contact Mr. Jeff Stokes of Questar Energy Company at 530-2019.

Sincerely,

Questar Energy Company

Mountain Resource Corporation


J. J. Stokes
Director, Gas Acquisition


V. LeRoy Hansen
Vice President

JJS/ao

RECEIVED
JUL 21 1987
GAS CONTRACTS

SGW

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Mountain Resource Corporation

3. ADDRESS OF OPERATOR
Box 27444 - Salt Lake City, Utah 84127

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SE1/4, NE1/4, Sec 4 (1830 FNL,660
AT TOP PROD. INTERVAL: FEL)
AT TOTAL DEPTH: same

5. LEASE
U-011246/U-09712-A **073105**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Celsius-Mountain Resource

9. WELL NO.
Ferron-MRC **173**

10. FIELD OR WILDCAT NAME
Ferron Area

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4, T21S, R7E, SLBM

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.
43-015-30185

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6223.5 GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

July 9, 1987 Dowell Schlumberger Inc. pumped 67 sacks of class G cement down tubing filling entire wellbore with cement plug until circulated back to surface.

Casing: 1150 ft of 4 1/2 tubing 10.5 lbs
Perfs: 1005-1020 ft
Tubing: 1050 ft of 2 3/8"

July 22, 1987 P&A marker installed, site reclaimed.

Subsurface Safety Valve: Manu. and Type N/A Set @ _____ Ft.

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

SIGNED Frederick G. Jaeger TITLE President DATE July 29, 1987

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 7-29-87
BY: John R. Dege

*See instructions on Reverse Side

RECEIVED
JUL 30 1987

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved. COPY FYI
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-011246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

MRC #17

10. FIELD AND POOL, OR WILDCAT

Ferron

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

Sec. 4, T21S, R7E

12. COUNTY OR PARISH

Emery County

13. STATE

Utah

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.)

JAN 18 1991

DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Questar Energy Company

3. ADDRESS OF OPERATOR
Box 11070; Salt Lake City, Utah 84147

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

SE NE 1830' FNL 660' FEL
Section 4, T21S, R7E

14. PERMIT NO.
43-015-30185 PA

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6223.5' GL

12. COUNTY OR PARISH | 13. STATE
Emery County | Utah

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*

(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.)*

On November 20, 1990, a contract service company pumped 34 sacks of class "G" cement down the 2-3/8" tbg utilizing 40' of 1" tbg. The over flow filled the 2-3/8" x 4-1/2" and 4-1/2" x 7" annulus's. The 1" string (40') was left in the 2-3/8" tbg. All tubulars were cut off 3' below ground level the next day. All tubulars were still full of cement. A regulation dry hole marker was welded to the 7" casing and cellar back filled.

Mr. Kaminski with the Price, Utah BLM office witnessed the abandonment.

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

SIGNED [Signature]

TITLE Staff Petroleum Engineer

DATE 1/16/91

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side