

william w. whitley
1705 colorado state bank building
1600 broadway
denver · colorado · 80202
phone (303) 861-2469

April 5, 1982

State of Utah
Division of Oil, Gas and Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Attn: Mr. Cleon B. Feight

RECEIVED
APR 09 1982

DIVISION OF
OIL, GAS & MINING

Re: Turner Bluff Area
T40S-R22E
San Juan County, Utah

Dear Jack:

I wish to advise you of some pending matters relative to our drilling operations in Section 25-T40S-R22E. This area is covered by an 80 acre spacing ruling (Cause #185-2, January 23, 1980), a copy of which is attached.

I am concerned about the location of future wells, specifically on the 80 acre unit in N/2 SE/4 Section 25. Please refer to the attached map. The appropriate location for a well on that unit would be NE/4 SE/4 Section 25. The Spacing Order gives administrative authority to the Division to grant exception locations. I do not own the oil and gas lease covering these lands, but am advised that the owner is considering a request for approval to drill an exception location in the NW/4 SE/4 Section 25. This would constitute a 40 acre south offset to my #2-25 3-E Federal well (SW/4 NE/4 Section 25) which is completed in the Desert Creek zone. My associates and I have drilled seven wells in the area--all on the appropriate 80 acre spacing pattern. Test and production data from the three Desert Creek zone producers clearly denotes pressure connection between the wells. The purpose of the foregoing explanation is to advise you of my opposition to any exception to the 80 acre drilling pattern as prescribed in the Spacing Order. If an exception location is requested, I would like to have the opportunity at a hearing to present geologic and engineering data as evidence for continuation of the present spacing pattern. I would appreciate your views on this matter.

I have another question relative to the matter of communitization of various mineral interests in 80 acre drilling units, in particular I

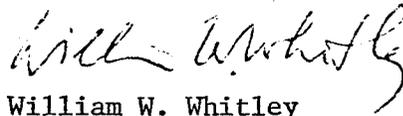
To: Mr. Cleon B. Feight
From: William W. Whitley
April 5, 1982

Page 2

refer to the 80 acre unit covering N/2 SW/4 Section 25. As indicated on the map, part of the lands covered by the drilling unit are owned by the Navajo Nation. I am attempting to negotiate a lease or a farmout from the Navajos. If I am unable to make a deal with them, what is the procedure for the inclusion or exclusion of their lands in the drilling unit?

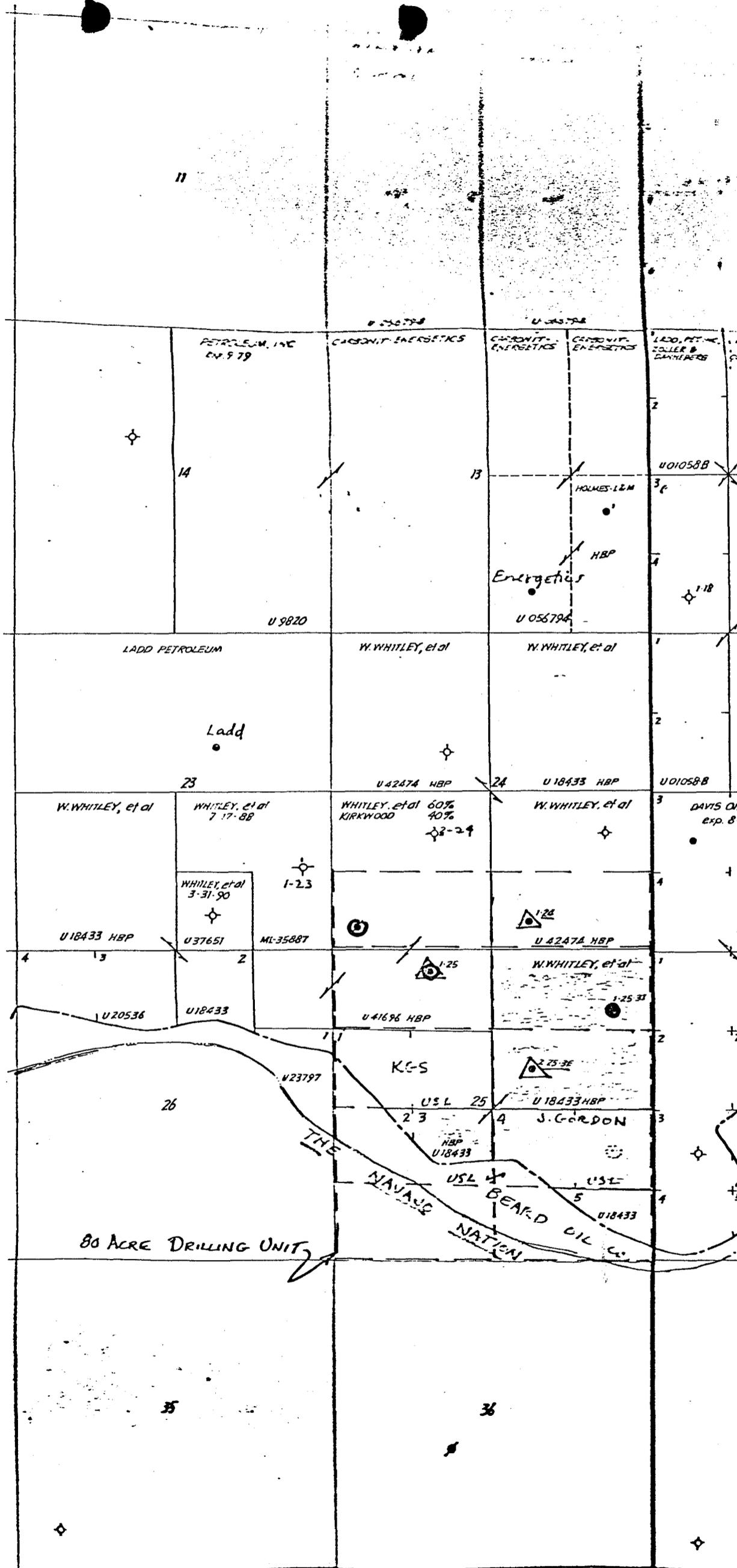
I will give you a call in a few days to discuss these questions.

Very truly yours,



William W. Whitley

WWW:ss
enclosures



11

14

13

LADD, PET. INC.
ZOLLER &
DANNERSBERG

U 01058 B

U 118

LADD PETROLEUM

W. WHITLEY, et al

W. WHITLEY, et al

Ladd

23

U 42474 HBP

U 18433 HBP

U 01058 B

W. WHITLEY, et al

WHITLEY, et al
7 17-88

WHITLEY, et al
KIRKWOOD
60%
40%

W. WHITLEY, et al

DAVIS OIL
exp. 8-

WHITLEY, et al
3-31-90

1-23

U 18433 HBP

U 37651

ML-35887

U 42474 HBP

U 20536

U 18433

U 41696 HBP

W. WHITLEY, et al

1-25 31

80 ACRE DRILLING UNIT

K-S

USL 25

U 18433 HBP

J. GORDON

THE NAVAJO NATION

HBP
U 18433

USL

USL

U 18433

BEAR D OIL CO.

35

36

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

809 MESETA
FARMINGTON, NEW MEXICO 87401
PH: (505) 327-3978

May 7, 1982

Ho- For
APPLICATION

W.W. Whitley
1600 Broadway, Suite 1705
Denver, Colorado 80202

SC 6-3-82

Re: Mountain States Resources, Inc.
exception well location, Turner
Bluff Field/San Juan County, Utah

Mr. Whitley,

This morning I phoned Cleon Feight, Director of the Utah Division of Oil, Gas and Mining to cancel the hearing of May 27, 1982, for the 40-acre spacing at the Turner Bluff Field.

I told him you called me yesterday and agreed to allow Mountain States Resources, Inc. to drill an exception well location to the approved 80-acre spaced wells in the field. This well is to be located in the center of the north half of the southeast quarter Section 25 T40S R22E. Mr. Feight will mail a notice dated May 10th for anyone who would object to the exception location which will be drilled approximately 1320 feet from the east line and approximately 1980 feet from the south line, [REDACTED]. One month after this notice is mailed, and no objections are received at the Department of Oil, Gas and Mining, MSR can file for a permit to drill the well.

Please send Mr. Feight a letter that states your approval for the above exception location.

Sincerely,

CMK

Connie M. Krivanek

cc: José Montalban
John Gordon
Cleon Feight

RECEIVED
DIVISION OF
OIL, GAS & MINING

MAY 13 1982

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

609 MESETA
FARMINGTON, NEW MEXICO 87401
PH: (505) 327-3978

May 7, 1982

Handwritten notes:
Hoc...
...
cc 10-2-82

W.W. Whitley
1600 Broadway, Suite 1705
Denver, Colorado 80202

Re: Mountain States Resources, Inc.
exception well location, Turner
Bluff Field/San Juan County, Utah

Mr. Whitley,

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I told him you called me yesterday and agreed to allow Mountain States Resources, Inc. to drill an exception well location to the approved 80-acre spaced wells in the field. This well is to be located in the center of the north half of the southeast quarter Section 25 T40S R22E. Mr. Feight will mail a notice dated May 10th for anyone who would object to the exception location which will be drilled approximately 1320 feet from the east line and approximately 1980 feet from the south line, Section 25 T40S R22E. One month after this notice is mailed, and no objections are received at the Department of Oil, Gas and Mining, MSR can file for a permit to drill the well.

Please send Mr. Feight a letter that states your approval for the above exception location.

Sincerely,

Handwritten signature

Connie M. Krivanek

cc: José Montalban
John Gordon
Cleon Feight

RECEIVED
MAY 10 1982
DEPARTMENT OF OIL, GAS AND MINING
SALT LAKE CITY, UTAH

UNITED STATES
DEPARTMENT OF THE INTERIOR
CONFIDENTIAL
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
U-46712 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
M.S.R. Federal ✓

9. WELL NO.
25-1 ✓

10. FIELD AND POOL, OR WILDCAT AND SURVEY OR AREA
~~UNDESIGNATED~~

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 25, T40S, R22E ✓

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 11 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

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

19. PROPOSED DEPTH 5480' *Went shale*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4358' GR (Ungraded)

22. APPROX. DATE WORK WILL START*

RECEIVED
SEP 28 1982
DIVISION OF
OIL, GAS & MINING

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 STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR
P.O. Box 176, Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 NE/4 SE/4 Sec. 25, 2139' FSL & 1220' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 11 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

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

19. PROPOSED DEPTH 5480' *Went shale*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4358' GR (Ungraded)

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	1300'	420 sx, circulate to surface
7 7/8"	5 1/2"	15.5#	5480'	200 sx

MOUNTAIN STATES RESOURCES, INC. proposes to drill this well to gain optimum primary oil recovery from the Lower Ismay and Desert Creek zones in the Turner Bluff Field. Samples will be taken at 20' intervals from 1500' to 4000' and 10' intervals from 4000' to TD. No cores are planned. Two DST's of the Lower Ismay and Desert Creek may be run. Logs will be run from surface casing to TD. Prospective zone will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached exhibit and will be tested at regular intervals. Necessary steps will be taken to protect the environment.

CONFIDENTIAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Rena Kowalski TITLE Area Production Supt.

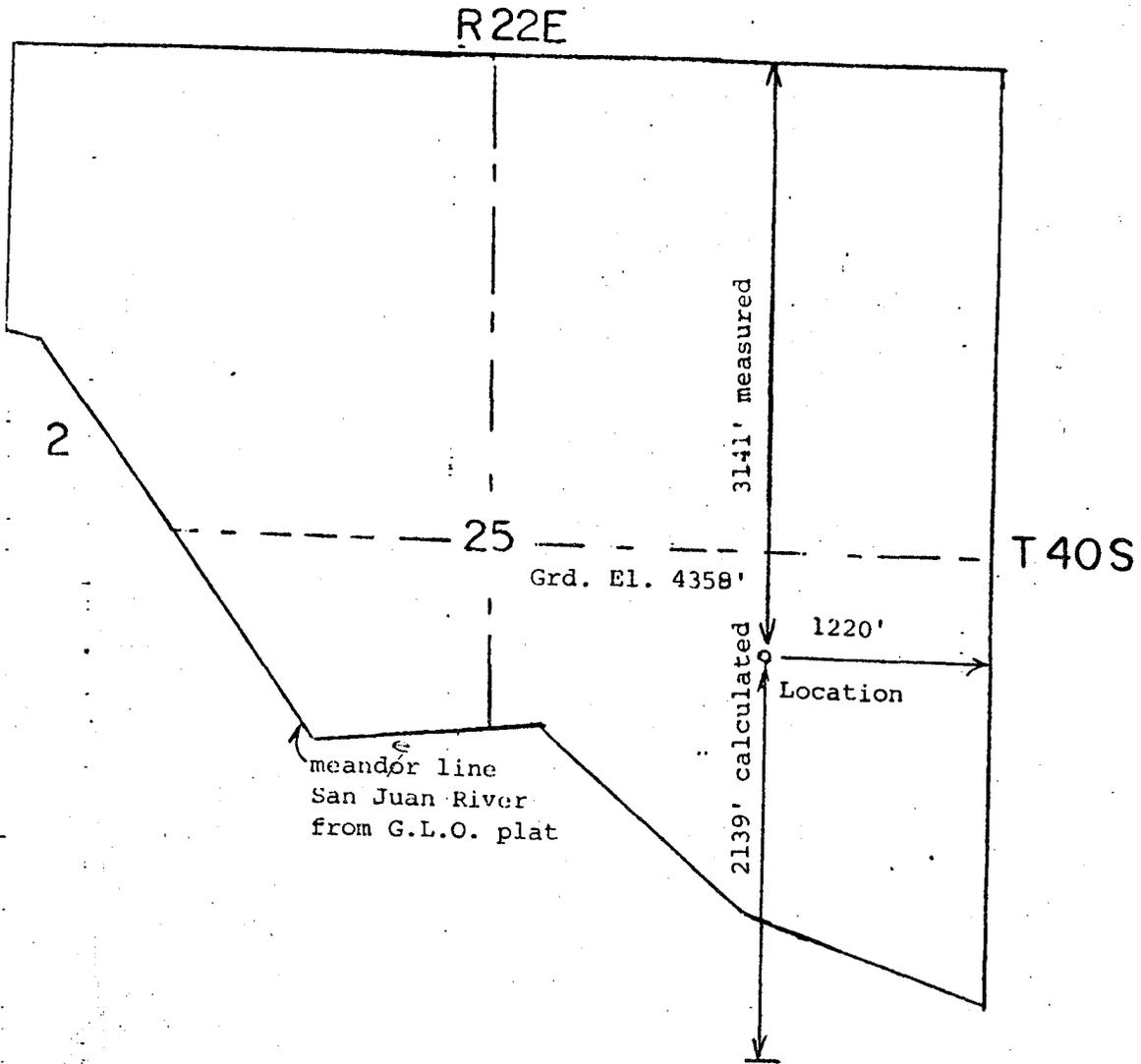
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING
10-6-82
ST. *Thomas Stout*



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado has in accordance with a request from Connie Krivanek for Mountain States Resources, Inc.

determined the location of M.S.R. #25-1 #1 Federal to be 2139' FSL & 1220' FEL Section 25 Township 40 South Range 22 East Salt Lake Meridian

San Juan County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: 2 August 1982

Ronald E. Nuddleston
Licensed Land Surveyor No. Exception State of Utah

CONNIE M. KRIVANEK
PETROLEUM GEOLOGIST

September 24, 1982

Cleon B. Feight, Director
Board of Oil, Gas & Mining
Dept. of Natural Resources
State of Utah
136 E. South Temple
Salt Lake City, Utah 84111

Re: Mountain States Resources, Inc.
Exception Well Location
Utah lease #U-46712
Turner Bluff Field, San Juan
County, Utah

Mr. Feight,

An exception well location, Cause #185-3, was approved May 27, 1982, by the Utah Board of Oil, Gas and Mining. This location's well pad would encroach upon lot 4, which has a "no occupancy" and any other surface disturbance stipulation on the lease. Also, the location was in a San Juan River meander scar, which contains water during the spring runoff period. The location was restaked 100 feet east and 179 feet north. By "General Well Spacing"(rule C-3) the location is still 501 feet south of Bill Whitley's lease. The location of the subject well is 2139 feet from the south line and 1220 feet from the east line, Section 25 T40S R22E San Juan County, Utah.

We ask the Commission to again please grant MSR an exception well location based on the following reasons:

1. Topographic conditions
2. To avoid lot 4 of the lease which has a USGS "no occupancy" and any other surface disturbance stipulation.

Mr. Bill Whitley has given me verbal approval for this exception well location. A copy of the proposed APD for this well is enclosed. Please keep confidential the contents listed in this APD copy.

Sincerely,

(Mr.) Connie M. Krivanek

Connie M. Krivanek

enc.

cc: José V. Montalban
Bill Whitley



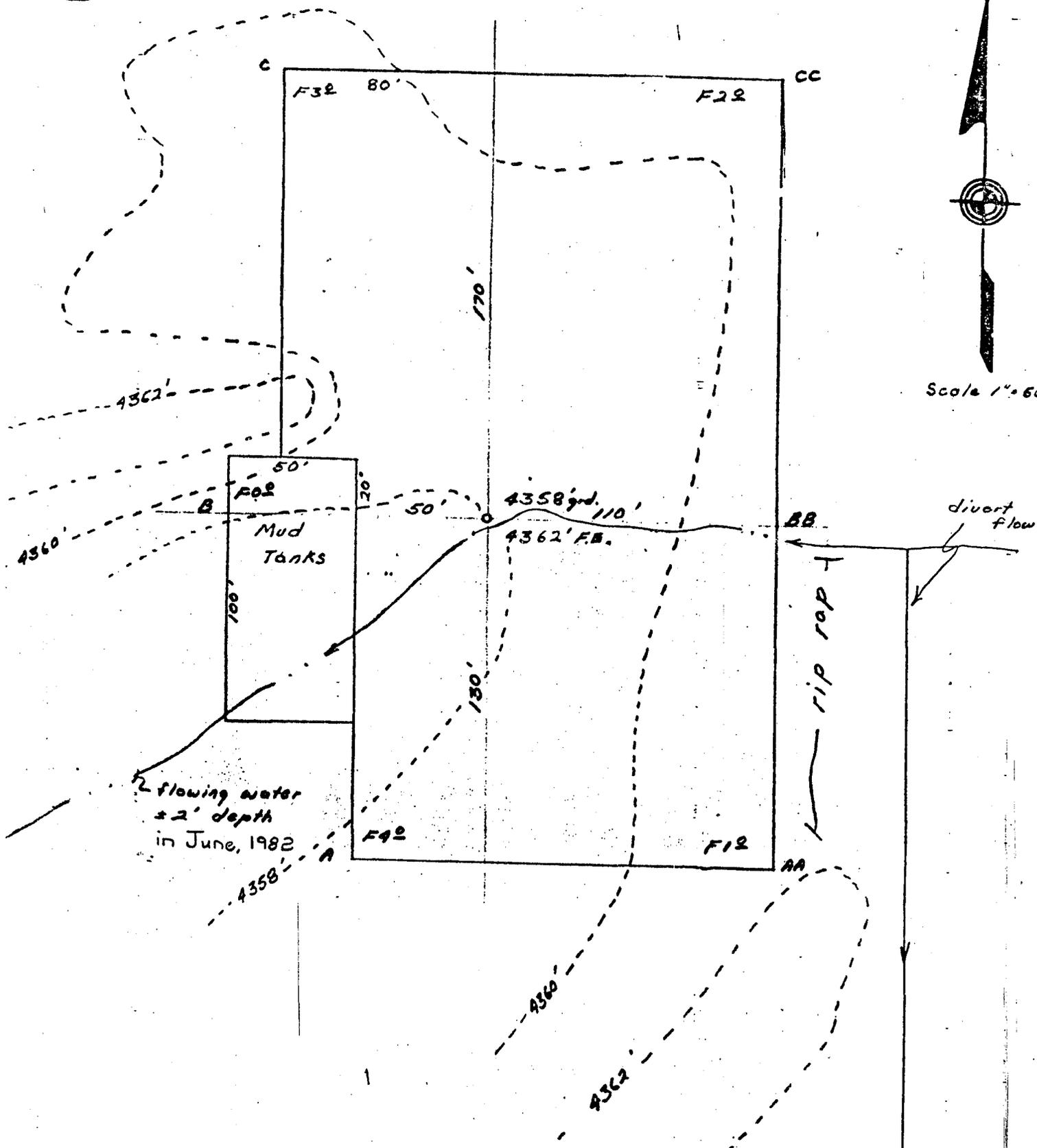
POWERS ELEVATION

MSR 25-1#1

Topsoil

N

Scale 1" = 60'



MOUNTAIN STATES RESOURCES, INC.
 M.S.R. Federal 25-1
 NE/4 SE/4 Sec. 25, T40S, R22E
 San Juan County, Utah
 Figure A

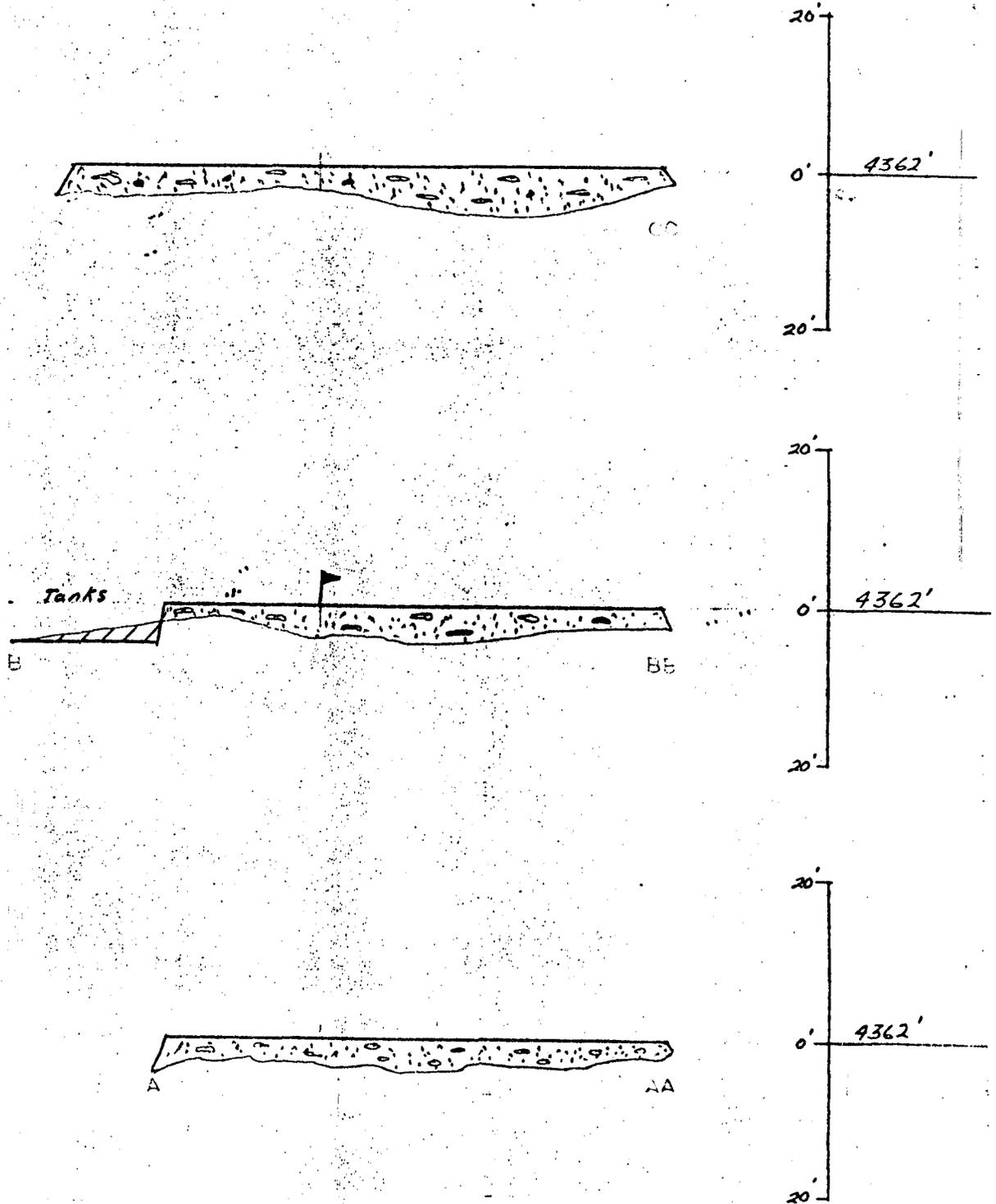


POWERS ELEVATION

OIL WELL ELEVATIONS - LOCATIONS
ENVIRONMENTAL - ARCHAEOLOGICAL SERVICES
900 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

Cut IIIII
Fill 2000

Scales: 1" = 50' Horizontal
1" = 20' Vertical



A DIVISION OF PETROLEUM INFORMATION CORPORATION/A SUBS

MOUNTAIN STATES RESOURCES INC.
M.S.R. Federal 25-1
NE/4 SE/4 Sec. 25, T40S, R22E
San Juan County, Utah
Figure B

TEN POINT PROGRAM

1) SURFACE FORMATION: Bluff sandstone

2 & 3) ESTIMATED TOPS:

180'	Carmel
240'	Navajo
735'	Kayenta
810'	Wingate
1205'	Chinle
1930'	Shinarump
2270'	DeChelly
2315'	Cutler
4220'	Hermosa
5127'	Upper Ismay
5250'	Lower Ismay - Secondary objective, possible oil
5343'	Desert Creek - Primary objective, oil
5450'	Akah Shale

4) CASING PROGRAM:

0 - 1300' 8 5/8", 24#, K-55 ST&C casing, cement to surface
0 - 5480' 5 1/2", 15.5#, K-55 ST&C casing, 200 sx

5) PRESSURE CONTROL EQUIPMENT:

Schaffer, Series 900, double gate, hydraulic with blind and pipe rams (see Figure C). Installed and tested before drilling out under surface casing. Pipe rams will be operated each day, blind rams each trip.

6) MUD PROGRAM:

0 - 2000' Benex and fresh water
2000' - TD Fresh water gel, low solids non-dispersed

Sufficient mud materials to maintain mud properties, control lost circulation and to contain a blowout will be available at the wellsite.

7) AUXILLIARY EQUIPMENT:

- A) Kelly cock will be used at all times and checked daily.
- B) Safety sub with full opening valve for drill pipe will be on rig floor.

8) LOGGING:

- A) GR - FDC/CNL Log from TD to 3200', 5" 2" and 1" scales
- B) GR - DIL/SFL Log from TD to surface casing, 5" 2" and 1" scales
- C) Two man mud logging unit from 4000' to TD

9) ANTICIPATED BOTTOMHOLE PRESSURE: 2000 psi

10) ANTICIPATED STARTING DATE:

As soon as regulatory approval is granted. Duration of operation will be 30± days.

SURFACE USE AND OPERATIONS PLAN

1) EXISTING ROADS:

- A) Proposed well site is shown in Figure 1.
- B) Route from the nearest town is shown in Figure 1. Proceed west from Montezuma Creek on the Bluff Bench road for approximately nine miles, turn south-southwest for 1.75 miles, and bear left at the wire gate.
- C) Proposed access road is shown in Figure 1, and Figure 2.
- D) Not applicable.
- E) All existing roads within a one mile radius of the proposed well site are shown in Figure 1.
- F) Minor maintenance of existing roads is required. Routine blading as necessary is performed by a contractor hired by other operators.

2) PLANNED ACCESS ROAD:

- A) Width: 20' running surface, 50' total disturbed width during construction.
- B) Maximum grade: Less than 2%
- C) Turnouts: None
- D) Drainage design: Road will be cut on east side for drainage and crowned.
- E) Culverts, cuts, and fills: No culverts will be necessary. Road will be cut approximately two feet on east side.
- F) Surfacing material: None
- G) Gates: One Cattleguards: None Fence cuts: None
- H) Centerline road flagging: The route of the new access road is shown in Figure 1. The road will curve and will be flagged by dirt contractor prior to construction.

3) LOCATION OF EXISTING WELLS:

- A) Water well: None
- B) Abandoned wells: All abandoned wells within a one mile radius of the proposed well site are shown in Figure 1.
- C) Temporarily abandoned wells: All temporarily abandoned wells within a one mile radius of the proposed well site are shown in Figure 1.
- D) Disposal wells: None
- E) Drilling wells: None
- F) Producing wells: All producing wells within a one mile radius of the proposed well site are shown in Figure 1.
- G) Shut-in wells: None
- H) Injection wells: None
- I) Monitoring or observation wells: None

4) LOCATION OF EXISTING AND/OR PROPOSED FACILITIES OWNED BY MOUNTAIN STATES RESOURCES INC.

- A) Existing facilities: None
- B) Proposed facilities:
 - 1) Tank battery: All production facilities except for the wellhead and pumping unit will be located as shown in Figure 3. Produced fluid from the proposed well will be transferred to the tank battery through a single line buried 3' deep (see Figure 3).
 - 2) Dimensions of facilities: Dimensions of the proposed tank battery are shown in Figure 4.
 - 3) Construction methods and materials: Area to be used will be leveled with a dozer and materials used for padding and backfilling ditches will consist of native materials.
 - 4) Protective measures and devices: Approval for use of an unlined surface pit at the tank battery will be applied for when water production is known. Hazardous areas will be fenced and/or flagged.

- C) Rehabilitation of disturbed areas: All disturbed areas not needed for operation will be recontoured to match existing terrain and reseeded with the seed mixture recommended by the B.L.M.

5) LOCATION AND TYPE OF WATER SUPPLY:

- A) Location: San Juan River near the proposed location or from Bluff, Utah.
Supply: River or water hole.
B) Method of transportation: Water will be hauled by tank trucks over existing roads.
C) Water wells to be drilled: None

6) SOURCE OF CONSTRUCTION MATERIALS:

- A) Location: Fill material is available one mile north-northwest in the SW/4 NE/4 of Section 25, T40S, R22E. Rip rap will be obtained at a source north of the proposed well site at a location approved by the B.L.M.
B) Sources of construction material are on federal land under B.L.M. jurisdiction.
C) Stone used for rip-rap will come from a site approved by the B.L.M.

7) METHODS OF HANDLING WASTE DISPOSAL

- A,B) Cuttings and drilling fluids: Deposited during drilling operations will be put in steel reserve tanks.
C) Produced fluids: Tanks will be used for storage of produced fluids during testing.
D) Sewage: Sewage will be contained in a portable latrine and chemical will be used to decompose waste materials.
E) Garbage and other waste materials: Will be put in a trash cage and all flammable materials will be burned after a burning permit has been obtained.
F) Proper clean-up of wellsite: Upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the county dump.

8) ANCILLARY FACILITIES:

- A) None

9) WELLSITE LAYOUT:

- A) Cuts and fills: See Figure B.
B) Location of pits and stockpiles: For location of mud tanks, reserve tanks, trash cage, pipe racks, doghouse, etc., see Figure 5.
C) Pad orientation: For rig orientation, parking areas, and access road, see Figure A.
D) Not applicable. Steel reserve pits will be utilized.
E) O.S.H.A. requirements: The area required to conduct drilling and completion operations in a safe manner and in accordance with O.S.H.A. standards will be within the area already disturbed.

10) PLANS FOR RESTORATION OF SURFACE:

- A) Backfilling, leveling, contouring, and waste disposal: Topsoil at the location and along the access will be reserved in place. Backfilling will not be necessary since there are no reserve pits. Contouring of the location will be done, in the event of a dry hole, to restore the surface to as near its original condition as possible. In the event of production,

those portions of the pad not needed for operations will be contoured in such a manner as to support vegetation and blend with the natural topography as much as possible. All disturbed areas will be scarified with the contour to a depth of six inches. Waste disposal will begin immediately after completion of drilling. All trash and debris will be picked up and taken to the county dump.

- B) Revegetation and rehabilitation: Revegetation of the location and access roads will begin with reseeded which will be done, if necessary, in the Spring or Fall of the year with 2 lbs/acre Indian ricegrass, 2 lbs/acre Fourwing saltbush, and 1 lb/acre Sand dropseed. The disturbed area near the access road will be reseeded in any event. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas, in the case of a dry hole. The access will be blocked to prevent vehicular access. Rehabilitation of the location and access road will include contouring, scarifying, and reseeded.
- C) Fencing of pits: Not applicable.
- D) Oil in reserve tanks: All oil in the reserve tanks will be removed.
- E) Timetable of rehabilitation operations: Commencement of rehabilitation work will be upon completion of drilling. Completion of rehabilitation work will depend upon weather conditions.

11) OTHER INFORMATION:

- A) Topography, soil characteristics, geologic features, flora and fauna: The wellsite is situated within an area of active floodplain and secondary channels of the San Juan River. The surface is sandy and covered with vegetation normally found in the area (Indian ricegrass, fourwing saltbush, and sand dropseed). The soil is highly erosive. Surface use is primarily livestock grazing.
- B) Surface use and ownership: Grazing - B.L.M.
- C) Proximity of water, occupied dwellings, archaeological, cultural sites: The closest source of water is the San Juan River 1300 feet south of the wellsite. There are no occupied or unoccupied dwellings in the area. Archaeological inspection revealed that no sites will be affected.

12) LESSEE'S OR OPERATOR'S REPRESENTATIVE:

Mr. Jose V. Montalban
President
Mountain States Resources, Inc.
Box 176 Cut Bank, Montana 59427 (406) 873-2235

Mr. Reno Roncco
Area Production Superintendent
Mountain States Resources, Inc.
916 E. Main, No. 22 Cortez, Colorado 81321 (303) 565-1190

13) CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that 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 Mountain States Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9-17-82
Date

Reno N. Roncco
Reno N. Roncco
Area Production Superintendent

AMENDMENTS TO SURFACE USE PLAN
and
RECLAMATION PROCEDURES

Lease No.: U-46712

Operator: Mountain States Resources, Inc.

Well Name: M.S.R. Federal 25-1

Well Location: NE/4 SE/4 Sec. 25, T40S, R22E

Pre-drill Inspection Date: 9-02-82

Participants: Reno Roncco - MSR Inc.

Connie Krivanek - Consulting Geologist

Don Englishman - MMS

Brian Woods - BLM

Chas. Cartwright - BLM

Dean McClellan - Dirt Contractor

Dave Cressler - Dirt Contractor

Construction:

- 1) The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah, (801) 587-2201, 48 hours before beginning any work on public land.
- 2) The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work.
- 3) The San Juan County Road Department will be contacted before county roads are used, (801) 587-2231, ext. 43.
- 4) Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, (801) 647-1303, and by receiving permission from the land owner or surface managing agency to use the land containing the water source.
- 5) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 6) See Surface Use Plan.
- 7) Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- 8) See Surface Use Plan. Trees and brush will be stockpiled on the east side.
- 9) See Surface Use Plan.
- 10) See Surface Use Plan.
- 11) A burning permit will be required before burning trash between May 1 and October 31. This can be acquired by contacting the State Fire Warden, John Baker, at (801) 587-2705.

Reclamation:

- 1) See Surface Use Plan.
- 2) The operator or his contractor will contact the BLM office in Monticello, Utah (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

- 3) See Surface Use Plan.
- 4) See Surface Use Plan.
- 5) Water bars will be built as follows to control erosion.

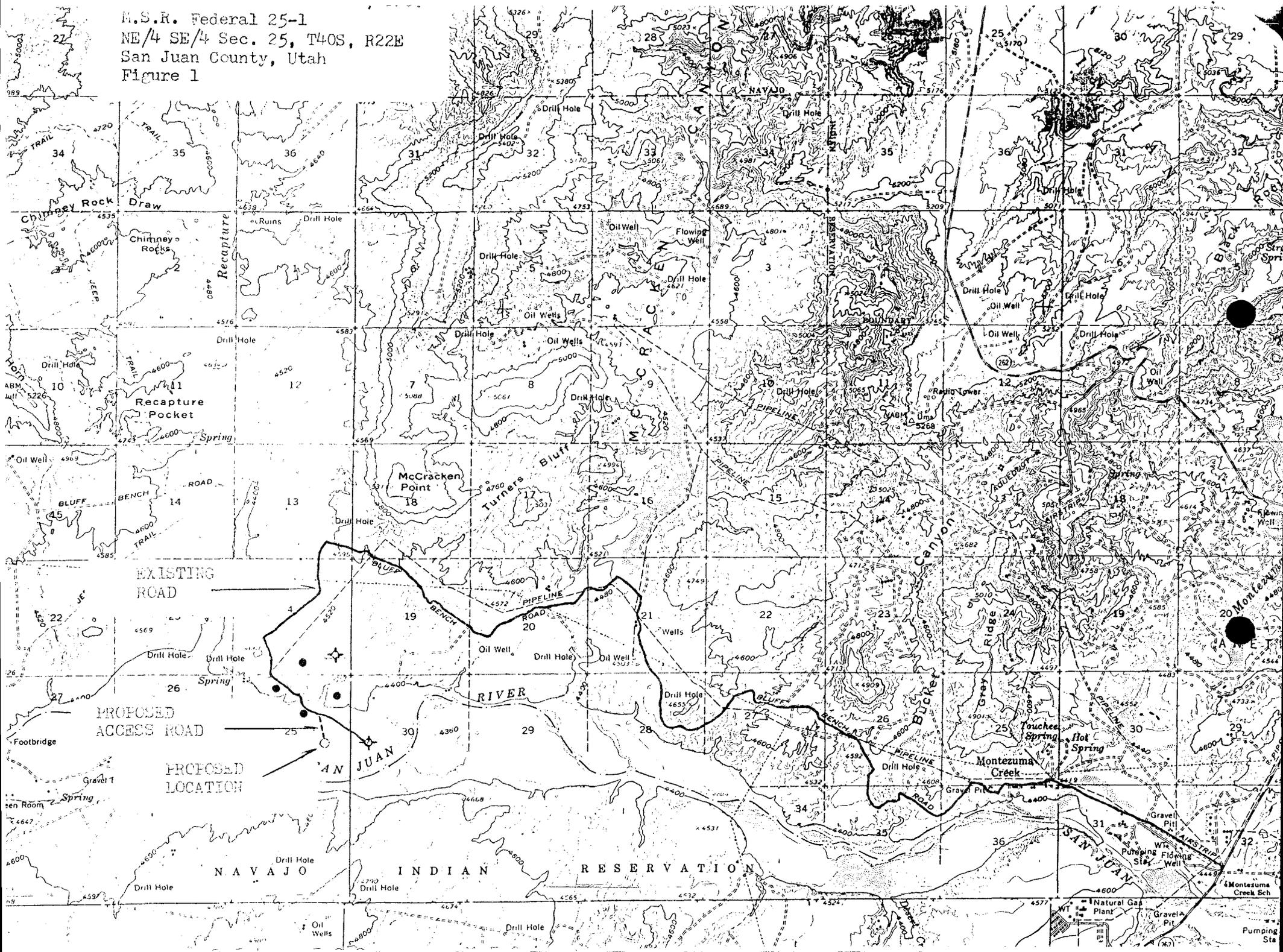
<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
2-5%	Every 75 feet
5+%	Every 50 feet

- 6) Seed will be broadcast between October 1 and February 28 with the the Prescription outlined in the Surface Use Plan. When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover.
- 7) See Surface Use Plan.

Production:

- 1) See Surface Use Plan.
- 2) All above-ground production facilities will be painted a neutral color to be approved by the BLM. All production facilities except the wellhead and/or pump jack will be located on the north bluff.
- 3) The access shall be upgraded to BLM Class III road specifications.
- 4) Mufflers will be installed on any engines at the well location.

M.S.R. Federal 25-1
NE/4 SE/4 Sec. 25, T40S, R22E
San Juan County, Utah
Figure 1



TURNER BLUFF.

T
40
S

WHITLEY
1-25 Kirkwood R 22 E

○
T.D. 5590'
K.B. 4455'

WHITLEY
1-25-3E
○
T.D. 5620'
K.B. 4456'

WHITLEY
2-25-3E
○
T.D. 5431'
K.B. 4370'

x
70 ac.
K.G.S.

WILLOW THICKET

30

MSR
○
25-1x
COTTONWOOD TREES
TIGER
1-30
○

T.D. 5490'
K.B. 4373'

APPROVED LOCATION
UTAH OIL, GAS & MINING DIV.

SAN JUAN RIVER

NORRIS 31-1
(ZOLLER-DANNEBERG Re-Entry)

○
T.D. 5804'
K.B. 4662'

NORTH

LEGEND

- x 80-ACRE WELL LOCATIONS
- ROAD
- PROPOSED ROAD
- APPROVED LOCATION/UTAH OIL, GAS & MINING DIVISION
- SURVEYED LOCATIONS 1, 2 & 3

MSR EXPLORATION, LTD.
CUT BANK, MONTANA
TURNER BLUFF FIELD
SEC 25 T40S R22E
SAN JUAN CO., UTAH
6-10-82 C.M. KRIVANEK

0' 500' 1000'
SCALE

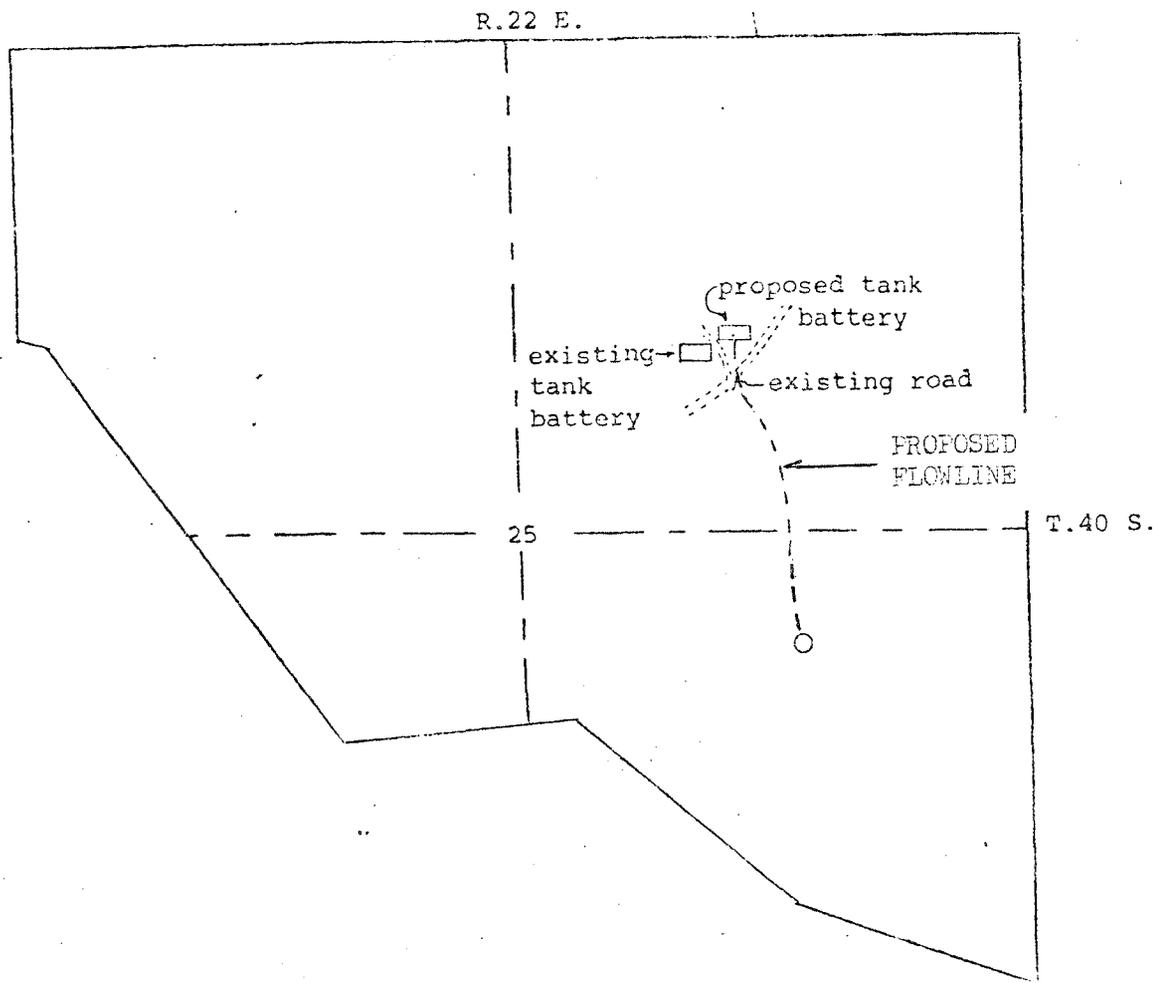
MOUNTAIN STATES RESOURCES, INC.
M.S.R. Federal 25-1
NE 1/4 SE 1/4 Sec. 25, T40S, R22E
San Juan County, Utah
Figure 2

MOUNTAIN STATES RESOURCES, INC.
M.S.R. Federal 25-1
NE/4 SE/4 Sec. 25, T40S, R22E
San Juan County, Utah
Figure 3

FORM F 106 A



TANK BATTERY LOCATION



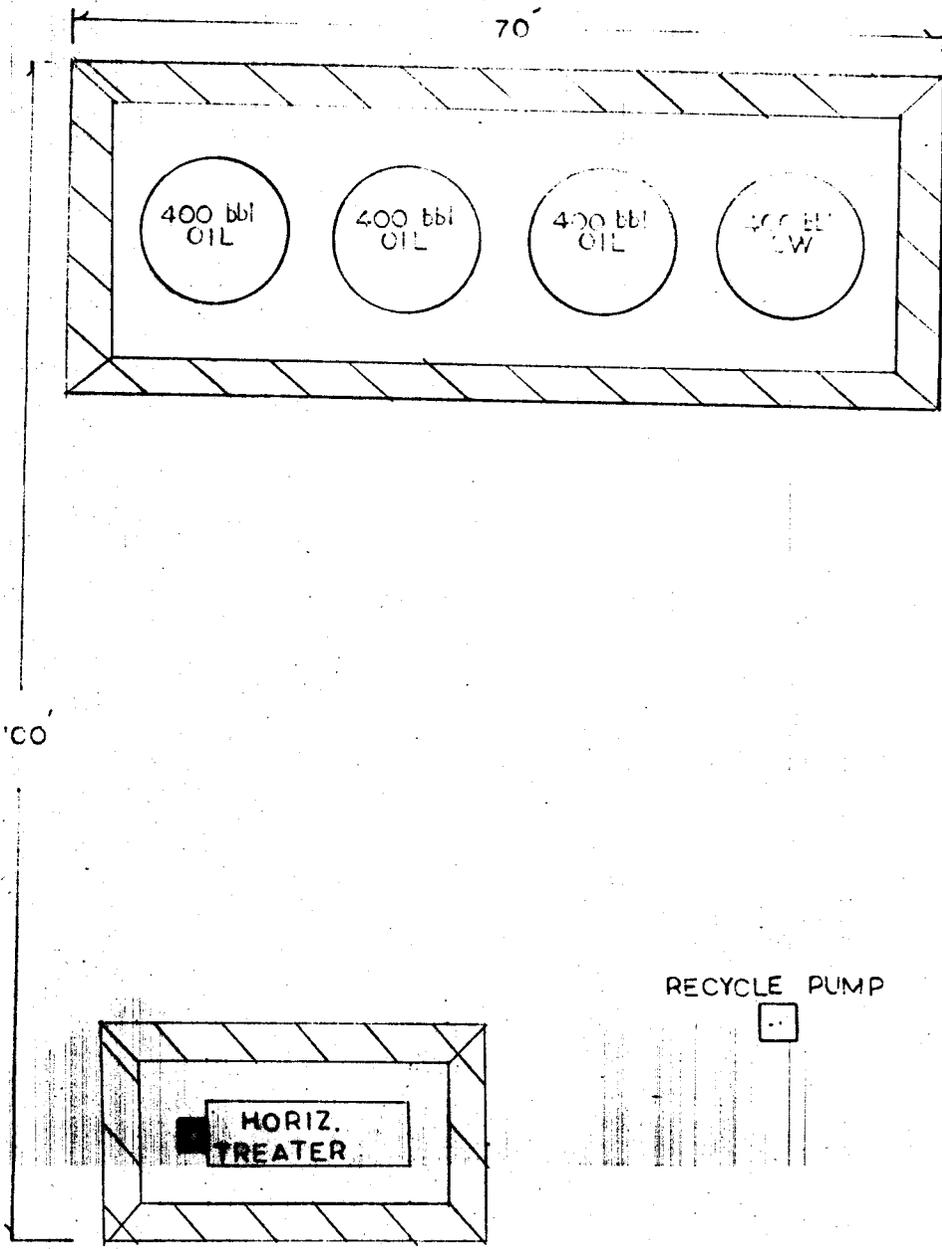
Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Connie Krivanek
for Mountain States Resources, Inc.
determined the location of Tank battery for MSR 25-1
to be 1540' FN & 1530' FE
Range 22 East
Section 25 Township 40 South
Salt Lake Meridian
San Juan County, Utah

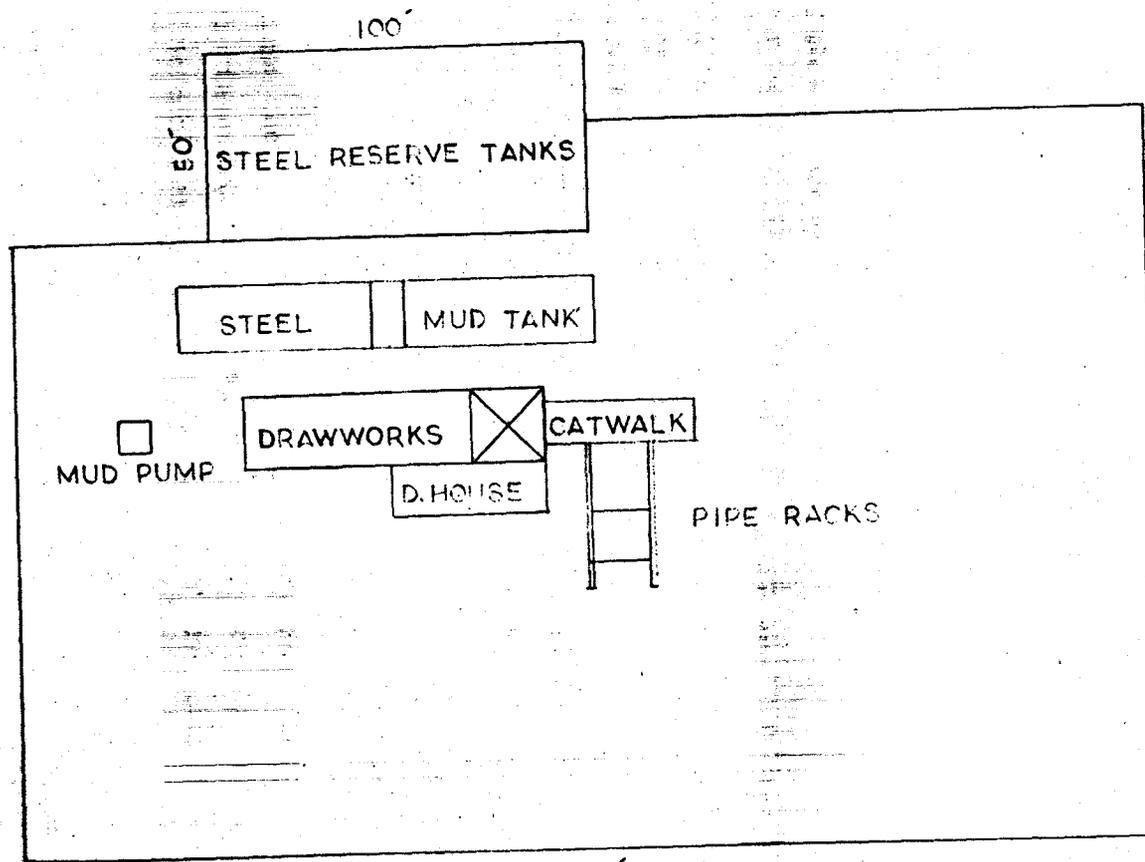
I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: 2 August '82

Donald W. Nadelstein
Licensed Land Surveyor No. Exception
State of Utah



MOUNTAIN STATES RESOURCES, INC.
M.S.R. Federal 25-1
NE/4 SE/4 Sec. 25, T40S, R22E
San Juan County, Utah
Figure 4



270

MOUNTAIN STATES RESOURCES, INC.
 M.S.R. Federal 25-1
 NE/4 SE/4 Sec. 25, T40S, R22E
 San Juan County, Utah
 Figure 5

CONFIDENTIAL

OPERATOR Mountain States Resources, Inc DATE 10-4-82

WELL NAME M.S.R. Federal 25-1

SEC NESE 25 T 40S R 22E COUNTY SAN JUAN

43-037-30823
API NUMBER

Fed.
TYPE OF LEASE

POSTING CHECK OFF:

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

PROCESSING COMMENTS:
The proposed site is not at the location approved as the
exception location under order # 185-3 May 27, 1982,
however the proposed site requires less exception than granted
by the order

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT c-3-a 185-3 May 27, 1982
CAUSE NO. & DATE
- c-3-b c-3-c

SPECIAL LANGUAGE:
approval of the well location is granted on the basis it
is less of an exception location than the exception
authorized by Cause # 185-3

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC. *only the $7\frac{1}{2}$ of sec 25 is included in the Turner Bluff Field.*

APPLY SPACING CONSIDERATION

ORDER 185-3

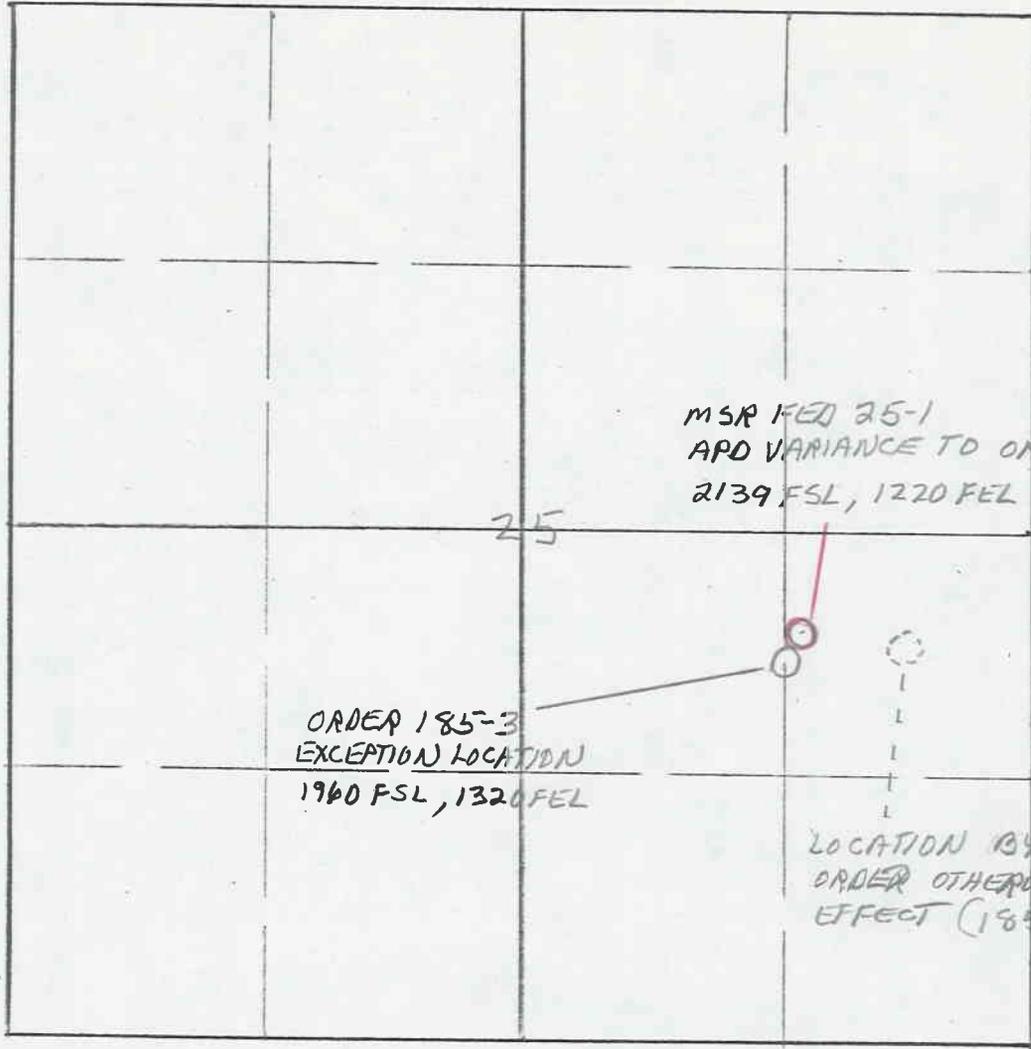
UNIT _____

c-3-b

c-3-c

? OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

no potash



SCALE: 1" = 1000'

405 - 22E
SAN JUAN

October 6, 1982

Mountain States Resources, Inc.
P. O. Box 176
Cut Bank, Montana 59427

RE: Well No. M.S.R. Federal 25-1
NESE Sec. 25, T.40S, R.28E
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 185-3 dated May 27, 1982. Approval of the well location is granted on the basis it is less of an exception location than the exception authorized by Cause #185-3.

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

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

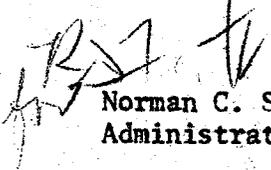
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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

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

The API number assigned to this well is 43-037-30823.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

May 3, 1983

Mountain States Resources, Inc.
P. O. Box 176
Cut Bank, Montana 59427

Re: Well No. M.S.R. Federal # 25-1
Sec. 25, T. 40S, R. 22E.
San Juan County, Utah

Gentlemen:

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

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

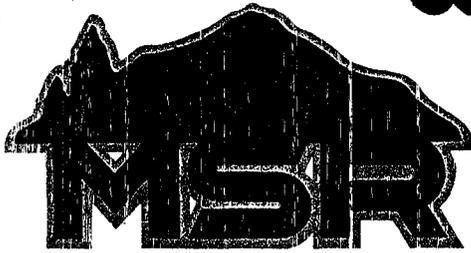
Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 15, 1983

Colonel Arthur E. Williams
U. S. Army Corps of Engineers
Sacramento District
650 Capitol Mall
Sacramento, California 95814

Dear Colonel Williams:

Reference is made to your letter of March 3, 1983, in which you have denied our original application for a Department of the Army Permit to drill our MSR/Federal #25-1 well, in Section 25 - Township 40 South - Range 22 East - San Juan County, Utah.

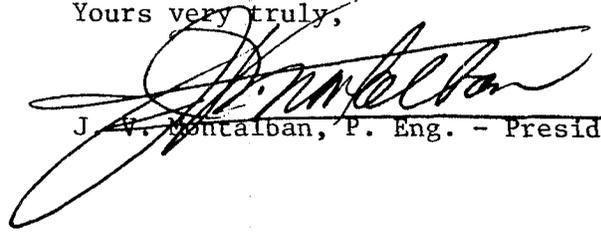
We have just now completed a comprehensive study, re-evaluation, and feasibility analysis, of this whole project, and we have come to the very definite conclusion that drilling a directional well is totally unfeasible and uneconomical. We respectfully request that you study and re-evaluate the numbers enclosed in our new feasibility study.

We further respectfully draw to your attention the fact that we can only drill one well on the said 80 acre tract, that MSR owns, and, therefore, any loss to wet lands, if any at all, would be minimal. In addition, please be advised that the State of Utah approved and granted MSR a permit to drill this well, over a year ago. Also, our lease has been subject to off-set drainage, by a producing well that was drilled a year and a half ago, and, therefore, not only is MSR suffering a loss of income; but, the U. S. Government is, likewise, losing it's share of royalty income from our lease, by MSR not being able to drill.

In conclusion, we would also respectfully draw to your attention the salient fact that up-stream from our proposed location, lies the giant Aneth Field; which contains over 500 producing wells. Several dozen of these wells have been drilled in the same environment as that of the MSR/Federal #25-1 well, with no loss of wet lands, or damage to the environment. Accordingly, we feel that an alternate up-land site, as you are suggesting, is not technically or economically viable, and with approval already in-hand, from the Utah Oil & Gas Conservation Commission, one well on this tract would certainly cause any cumulative impact to be minimal.

We respectfully request that you consider our new application, enclosed herewith, at your earliest convenience.

Yours very truly,


J. W. Montalban, P. Eng. - President

JVM/cbm

Enc:

cc: Mr. Bob Kramer
Salt Lake City, Utah
cc: STATE OF UTAH
NATURAL RESOURCES & ENERGY
Salt Lake City, Utah 84114



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 15, 1983

FEASIBILITY STUDY & SUPPLEMENTAL INFORMATION

1) Proposal of Alternative Upland Location

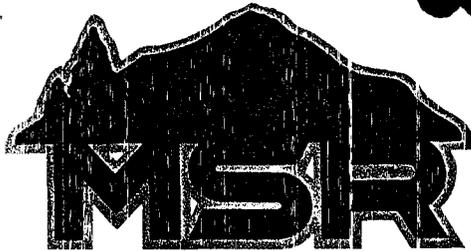
Any upland location violates the Utah Oil & Gas Commission Well Spacing Rule C-1, unless directionally drilled to a bottom-hole location as surveyed for the M.S.R. Federal 25-1. Directional drilling is not economically feasible for this well. The surface location would be 1500 feet north of the bottom-hole location and the hole would be whipstocked 24° at 1400 feet KB drilling depth. Total depth of the well would be 5902 feet KB. Both vertical and horizontal deviation would require careful control within precomputed limits to reach the required bottom-hole location. Such drilling is both time consuming and costly.

The bottom-hole location of the M.S.R. Federal 25-1 is structurally downdip of the W.W. Whitley producing wells to the north. The M.S.R. Federal 25-1 also offsets a Tiger Oil Co. well one-half mile to the east which was found to be structurally low and wet in the Desert Creek and Ismay formations. Consequently, anticipated initial production for the M.S.R. Federal 25-1 is 50 BOPD, 25 MCFGPD, and significant volumes of water. Following are the costs and payout for both vertical and directional drilling of the M.S.R. Federal 25-1, including completion and surface facility costs.

	<u>Vertical</u>	<u>Directional</u>
Tangible Cost	\$196,400	\$312,800
Intangible Cost	\$354,800	\$586,400
Total Cost	\$551,200	\$899,200
Payout	2.4 yrs.	4.8 yrs.

The point in time at which directional drilling the M.S.R. Federal 25-1 would totally recover the capital expenditure and begin to show a cumulative positive return is 4.8 years. This is well in excess of the industry maximum acceptable payout of 3.0 years. Therefore, the potential recoverable reserves of 120,000 BO and 61,000 MCFG do not justify directional drilling. Economic calculations included the following parameters.

- a) Decline rate on production of 3% per month for the first year and 16% per year thereafter, based on offset well performance.
- b) Project life of 15 years.
- c) Operating costs escalate at 6% per year.
- d) Depreciation on tangible investment calculated using the double declining balance method in the first two years, then the sum of the years digits method after that. Asset life of 12 years assumed.
- e) Prices of oil and gas will not escalate until 1985 and then 4% thereafter.
- f) Royalty is 12.5% of the value of the oil and gas produced.
- g) Severance tax is 5% of the value of oil and gas produced.
- h) Windfall profits tax is 30%, phased out beginning in 1988.
- i) Investment tax credit is 10% of the tangible investment.
- j) Base tier price for windfall profit determination is escalated 2% per year.



MOUNTAIN STATES RESOURCES, INC.

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OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 15, 1983

In addition to being economically infeasible, an oil well completed directionally cannot be produced with a beam pumping unit because of rapid and reoccurring wear on sucker rods and tubing. Therefore, an electric submersible pump would be required to produce the well, but the nearest take-point for three phase electricity is approximately six miles away. A capital expenditure of \$107,400 would be necessary for poles, wire, and labor to bring electricity to the location. Also, should fluid production decline to less than 150 BFPD, electrical submersible pumping would not be possible and the well would be prematurely abandoned.

It should also be noted that when the lease parcel was offered by the Bureau of Land Management, only the western one-half of the lease was restricted from surface occupancy. If not allowed to drill from the proposed location in the wetland area, the BLM has misrepresented the conditions of the lease.

2) Mitigation for Riparian Lands Impacted

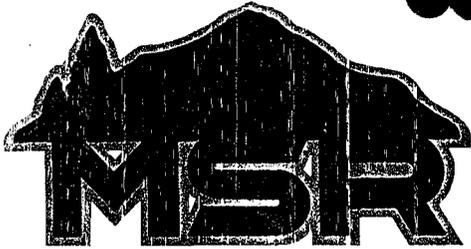
Although MOUNTAIN STATES RESOURCES, INC. cannot replace the impacted wetland area, approximately 1.8 acres, a wildlife mitigation plan for wells drilled in the San Juan River floodplain has been developed by the BLM (Attachment A). The net effect of this plan would be to improve terrestrial wildlife habitat and protection of endangered species is also considered. Should no commercial production exist, the well will be plugged and abandoned and the terrain reclaimed (see Attachment B).

3) Potential for Pollution

The potential for oil, gas, or water leakage into the wetland area is remote. The well pad will be protected by a dike around the perimeter during drilling, completion, and production operations. Only a waterproof wellhead and beam pumping unit with natural gas engine will be installed on the well pad should commercial production exist. Separation and storage facilities will be located out of the wetland area 1800 feet north of the well pad. The wellhead will be rated at a minimum 3000 psi SWP, well in excess of a maximum SIP of 1000 psi. Flowlines will also be rated at a minimum 3000 psi SWP. A high pressure shutdown will be incorporated on the wellhead, thereby shutting off the pumping unit if pressures do increase. All necessary precautions will be taken to protect the integrity of the environment.

4) Cultural Resources

No known cultural resources are located in the wetland project area for which this permit is applied for. On August 2, 1982, during the proposed well site inspection, Doug Dykeman of Powers Elevation and Charles Cartwright of the BLM inspected the proposed well site, access road, and tank battery location for archaeological sites. Also present were Donald Englishman, USGS environmental scientist and Brian Wood, BLM natural specialist. No cultural resources were found in the area of the proposed well pad or access road.



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

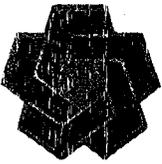
OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

May 15, 1983

Archaeological clearance was granted by the BLM. Furthermore, if in the process of construction, cultural sites are encountered, the normal and recommended procedure is for the dirt contractor and oil company to halt construction and notify the necessary authorities. In most cases, the site is fenced and avoided and archaeological clearance granted to proceed.

Respectfully submitted,

J.W. Montalban, P. Eng.
President



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

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

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Felght, Division Director

May 3, 1983

RECEIVED
MAY 31 1983

DIVISION OF
OIL GAS & MINING

Mountain States Resources, Inc.
P. O. Box 176
Cut Bank, Montana 59427

Re: Well No. M.S.R. Federal # 25-1
Sec. 25, T. 40S, R. 22E.
San Juan County, Utah

6/5/83

* DRILLING DELAYED DUE TO ARMY CORP. OF ENGR.
DELAY IN APPROVING LOCATION.

Gentlemen:

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

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Well Records Specialist

Please read attached

CF/cf

RECEIVED

MAY 9 1983



Public Notice

US Army Corps
of Engineers

Sacramento District
650 Capitol Mall
Sacramento, CA 95814

Public Notice No. Monthly PN

Date: 11 August 1983

In Reply Refer to: SPKCO-O

Comments Due by: N/A

*File
Federal
25-1
11/11/83
[Signature]*

TO WHOM IT MAY CONCERN:

The following Department of the Army Permit actions were taken by the Sacramento District, during the period 1 through 31 July 1983. Relevant environmental documents, Statement of Findings, and Record of Decisions are available upon written request.

PERMITS ISSUED:

PERMIT NO.	APPLICANT	WORK AUTHORIZED	WATERWAY
2785A	Edward J. Schader	Boathouse	Sand Mound Slough
4627T	R&M-Marina Inc.	Breakwater	San Joaquin River
5362D	Alpine Marina	Marina	Lake Tahoe, CA
7051A	Allan A. & Peggy S. Martin	Breakwater	Mayberry Slough
7934	Tahoe Park Water Company	Intake Structure	Lake Tahoe, CA
8168	Sacramento Yolo Port Dist.	Wharf	Sacramento DWSC
8193	David H. & Andrea Scott	Fill	Battle Creek N. Fork
8198	City of Portola	Fill	Feather River M Fk
8204A	Sacramento Housing & Redv.	Floating Dock	Sacramento River
8205NW	James R. Lee	Boathouse	Sand Mound Slough
8235	W. Kent Ramos	Floating Dock	Sacramento River
8237	Chowchilla Water District	Fill	Brenda Slough
8238	Arlie A. Griffith	Fill	Gunnison River, CO
8246	Joe & Patti Powell	Floating Dock	Sacramento River
8248	Ralph J. & Patricia McCoy	Floating Dock	Sand Mound Slough
8252	National Park Service	Fill	Colorado River N Fk, CO
8255	La Plata County	Fill	Florida River, CO
8257	Bureau of Land Mngt.	Fence & Buoy	Navajo Reservoir, CO
8258	US Fish & Wildlife	Fill	Green River, WY
8264	Mountain States Res., Inc.	Fill	San Juan River, UT
8281	Bryon Tract Rclm Dist 800	Outfall structure	Old River

APPLICATIONS WITHDRAWN:

APPL. NO.	APPLICANT	PROPOSED ACTIVITY	WATERWAY
4319B	Arthur D. Gutierrez	Floating Dock	Taylor Slough
4724A	Wiott W. Rankin	Floating Dock	Dutch Slough
8213	City of Redding	Fill	Sacramento River
8222	Town of Oak Creek	Fill	Oak Creek, CO
8234	Natalie Strombeck	Fill	San Miguel River, CO

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AUG 15 1983

ARTHUR E. WILLIAMS
Colonel, CE
Distric Engineer

MOUNTAIN STATES RESOURCES, INC.

Application No. _____

54

Name of Applicant Mountain States Resources, Inc.

RECEIVED, DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA
1983 AUG - 8 AM 9:39

Effective Date July 27, 1983

Expiration Date (If applicable) July 30, 1986

DEPARTMENT OF THE ARMY
PERMIT

Referring to written request dated May 15, 1983 for a permit to:

~~() Perform work in or affecting navigable waters of the United States upon the authorization of the Chief of Engineers, pursuant to Section 10 of the Rivers and Harbors Act of March 3, 1899 (33 U.S.C. 403);~~

Discharge dredged or fill material into waters of the United States upon the issuance of a permit from the Secretary of the Army acting through the Chief of Engineers pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344);

~~() Transport dredged material for the purpose of dumping it into ocean waters upon the issuance of a permit from the Secretary of the Army acting through the Chief of Engineers pursuant to Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (30 STAT. 1052; P.L. 92-532);~~

Mountain States Resources, Inc., P. O. Box 176, Cut Bank, Montana 59727,

is hereby authorized by the Secretary of the Army:

to place 8,500 cubic yards of fill material for an access road and oil well drill pad. The road will be 1,700 feet long and 20 feet wide and the drill pad will be 270 feet by 175 feet,

in wetlands adjacent to the San Juan River,

at eleven miles West of Montezuma Creek, near Bluff, San Juan County, Utah, within Section 25, Township 40 South, and Range 22 East,

in accordance with the plans and drawings attached hereto which are incorporated in and made a part of this permit (on drawings, give file number or other definite identification marks.)

Mountain States Resources Oil Well MSR25-1, dated October 26, 1983, 4 sheets,

subject to the following conditions:

I. General Conditions:

a. That all activities identified and authorized herein shall be consistent with the terms and conditions of this permit; and that any activities not specifically identified and authorized herein shall constitute a violation of the terms and conditions of this permit which may result in the modification, suspension or revocation of this permit, in whole or in part, as set forth more specifically in General Conditions j or k hereto, and in the institution of such legal proceedings as the United States Government may consider appropriate, whether or not this permit has been previously modified, suspended or revoked in whole or in part.

RECEIVED

AUG 13 1983

MOUNTAIN STATES RESOURCES INC

RECEIVED

b. That all activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States or ocean waters, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (33 U.S.C. 1344), the Marine Protection, Research and Sanctuaries Act of 1972 (P.L. 92-532, 86 Stat. 1052), or pursuant to applicable State and local law.

c. That when the activity authorized herein involves a discharge during its construction or operation, or any pollutant (including dredged or fill material), into waters of the United States, the authorized activity shall, if applicable water quality standards are revised or modified during the term of this permit, be modified, if necessary, to conform with such revised or modified water quality standards within 6 months of the effective date of any revision or modification of water quality standards, or as directed by an implementation plan contained in such revised or modified standards, or within such longer period of time as the District Engineer, in consultation with the Regional Administrator of the Environmental Protection Agency, may determine to be reasonable under the circumstances.

d. That the discharge will not destroy a threatened or endangered species as identified under the Endangered Species Act, or endanger the critical habitat of such species.

e. That the permittee agrees to make every reasonable effort to prosecute the construction or operation of the work authorized herein in a manner so as to minimize any adverse impact on fish, wildlife, and natural environmental values.

f. That the permittee agrees that he will prosecute the construction or work authorized herein in a manner so as to minimize any degradation of water quality.

g. That the permittee shall allow the District Engineer or his authorized representative(s) or designee(s) to make periodic inspections at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

h. That the permittee shall maintain the structure or work authorized herein in good condition and in reasonable accordance with the plans and drawings attached hereto.

i. That this permit does not convey any property rights, either in real estate or material, or any exclusive privileges; and that it does not authorize any injury to property or invasion of rights or any infringement of Federal, State, or local laws or regulations.

j. That this permit does not obviate the requirement to obtain state or local assent required by law for the activity authorized herein.

k. That this permit may be either modified, suspended or revoked in whole or in part pursuant to the policies and procedures of 33 CFR 325.7.

l. That in issuing this permit, the Government has relied on the information and data which the permittee has provided in connection with his permit application. If, subsequent to the issuance of this permit, such information and data prove to be materially false, materially incomplete or inaccurate, this permit may be modified, suspended or revoked, in whole or in part, and/or the Government may, in addition, institute appropriate legal proceedings.

m. That any modification, suspension, or revocation of this permit shall not be the basis for any claim for damages against the United States.

n. That the permittee shall notify the District Engineer at what time the activity authorized herein will be commenced, as far in advance of the time of commencement as the District Engineer may specify, and of any suspension of work, if for a period of more than one week, resumption of work and its completion.

o. That if the activity authorized herein is not completed on or before 30th day of July, 19 86, (three years from the date of issuance of this permit unless otherwise specified) this permit, if not previously revoked or specifically extended, shall automatically expire.

p. That this permit does not authorize or approve the construction of particular structures, the authorization or approval of which may require authorization by the Congress or other agencies of the Federal Government.

q. That if and when the permittee desires to abandon the activity authorized herein, unless such abandonment is part of a transfer procedure by which the permittee is transferring his interests herein to a third party pursuant to General Condition t hereof, he must restore the area to a condition satisfactory to the District Engineer.

r. That if the recording of this permit is possible under applicable State or local law, the permittee shall take such action as may be necessary to record this permit with the Register of Deeds or other appropriate official charged with the responsibility for maintaining records of title to and interests in real property.

s. That there shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein.

t. That this permit may not be transferred to a third party without prior written notice to the District Engineer, either by the transferee's written agreement to comply with all terms and conditions of this permit or by the transferee subscribing to this permit in the space provided below and thereby agreeing to comply with all terms and conditions of this permit. In addition, if the permittee transfers the interests authorized herein by conveyance of realty, the deed shall reference this permit and the terms and conditions specified herein and this permit shall be recorded along with the deed with the Registrar of Deeds or other appropriate official.

u. That if the permittee during prosecution of the work authorized herein, encounters a previously unidentified archeological or other cultural resource within the area subject to Department of the Army jurisdiction that might be eligible for listing in the National Register of Historic Places, he shall immediately notify the district engineer.

ii. Special Conditions: (Here list conditions relating specifically to the proposed structure or work authorized by this permit):

a. That if commercial production is not attained, the well will be plugged and abandoned and the terrain restored to original conditions.

b. That cutting and drilling fluids used during drilling operations shall be stored in steel reserve tanks.

c. That fluids produced during testing shall be stored in tanks.

d. ~~That no drilling will be conducted from November 1 through February 28.~~

e. That surface disturbing activities will be conducted in such a manner so as to avoid areas with cottonwood and willow trees.

f. That the permittee shall mitigate losses of wildlife habitat by enhancing an approximately 2 acre area located in the NW 1/4 of the SW 1/4 of Section 30, Township 40 South and Range 23 East. The enhancement shall be attained by ripping the area and planting a seed mixture of the following components: 1 lb/acre fourwing saltbush, 1/4 lb/acre alkali sacton, 5 lbs/acre sunflower, 1 lb/acre wild rose, and 3 lbs/acre tall wheatgrass. One-half mile of four strand barbed wire fence shall be constructed to keep livestock out of the seeded area. A ditch 15 feet wide, 3 feet deep, and 100 feet long would be constructed parallel to the River and 100 feet from the pad to provide a seasonal water source for wildlife. Soil excavated from the ditch shall be placed parallel to the ditch and seeded with Russian olive at 5 lbs/acre. The edges of the road and pad shall also be planted with Russian olive in a 5 lbs/acre mixture.

Entry No. <u>1101462</u>	147
Recorded <u>8-8-83</u> At <u>9:39</u> M. Book <u>65</u> Page <u>15</u>	
FEE PAID	<u>Mary Lou Mosher</u> MARY LOU MOSHER Recorder, San Juan County
<u>\$12.00</u> By <u>K. Bradford</u>	DEPUTY

RECEIVED

JUL 10 1983

The following Special Conditions will be applicable when appropriate:

STRUCTURES IN OR AFFECTING NAVIGABLE WATERS OF THE UNITED STATES:

- ~~a. That this permit does not authorize the interference with any existing or proposed Federal project and that the permittee shall not be entitled to compensation for damage or injury to the structures or work authorized herein which may be caused by or result from existing or future operations undertaken by the United States in the public interest.~~
- ~~b. That no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized by this permit.~~
- ~~c. That if the display of lights and signals on any structure or work authorized herein is not otherwise provided for by law, such lights and signals as may be prescribed by the United States Coast Guard shall be installed and maintained by and at the expense of the permittee.~~
- ~~d. That the permittee, upon receipt of a notice of revocation of this permit or upon its expiration before completion of the authorized structure or work, shall, without expense to the United States and in such time and manner as the Secretary of the Army or his authorized representative may direct, restore the waterway to its former conditions. If the permittee fails to comply with the direction of the Secretary of the Army or his authorized representative, the Secretary or his designee may restore the waterway to its former condition, by contract or otherwise, and recover the cost thereof from the permittee.~~
- ~~e. Structures for Small Boats: That permittee hereby recognizes the possibility that the structure permitted herein may be subject to damage by wave wash from passing vessels. The issuance of this permit does not relieve the permittee from taking all proper steps to insure the integrity of the structure permitted herein and the safety of boats moored thereto from damage by wave wash and the permittee shall not hold the United States liable for any such damage.~~

MAINTENANCE DREDGING:

- ~~a. That when the work authorized herein includes periodic maintenance dredging, it may be performed under this permit for _____ years from the date of issuance of this permit (ten years unless otherwise indicated);~~
- ~~b. That the permittee will advise the District Engineer in writing at least two weeks before he intends to undertake any maintenance dredging.~~

DISCHARGES OF DREDGED OR FILL MATERIAL INTO WATERS OF THE UNITED STATES:

- a. That the discharge will be carried out in conformity with the goals and objectives of the EPA Guidelines established pursuant to Section 404(b) of the Clean Water Act and published in 40 CFR 230;
- b. That the discharge will consist of suitable material free from toxic pollutants in toxic amounts.
- c. That the fill created by the discharge will be properly maintained to prevent erosion and other non-point sources of pollution.

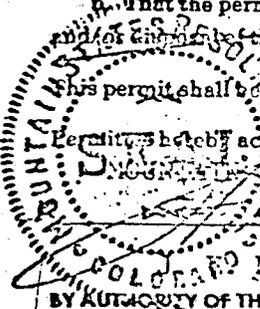
DISPOSAL OF DREDGED MATERIAL INTO OCEAN WATERS:

- ~~a. That the disposal will be carried out in conformity with the goals, objectives, and requirements of the EPA criteria established pursuant to Section 102 of the Marine Protection, Research and Sanctuaries Act of 1972, published in 40 CFR 220-228.~~
- ~~b. That the permittee shall place a copy of this permit in a conspicuous place in the vessel to be used for the transportation and for the disposal of the dredged material as authorized herein.~~

This permit shall become effective on the date of the District Engineer's signature.

Permittee hereby accepts and agrees to comply with the terms and conditions of this permit.

MOUNTAIN STATES RESOURCES, INC.



Arthur E. Williams
PERMITTEE
Montalban - President

x *July 19 1983*
DATE

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Henry Lee
Henry Lee, Lieutenant Colonel, Corps of Engineers for
Arthur E. Williams, Colonel, Corps of Engineers
DISTRICT ENGINEER, Sacramento
U.S. ARMY, CORPS OF ENGINEERS

27 Jul 83
DATE

Transferee hereby agrees to comply with the terms and conditions of this permit.

TRANSFEEE

DATE

MOUNTAIN STATES RESOURCES, INC.
Oil & Gas Exploration & Production
CBM Building P.O. Box 176
Cut Bank, Montana 59427

1521

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL & GAS OPERATIONS

RECEIVED

U-46712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SEP 23 1982

7. UNIT AGREEMENT NAME: LAKE CITY, UTAH

8. FARM OR LEASE NAME: U.S.R. Federal

9. WELL NO.: 25-1

10. FIELD AND POOL, OR WILDCAT: Undersaturated Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 25, T40S, R22E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL: 80

20. ROTARY OR CABLE TOOLS: Rotary

22. APPROX. DATE WORK WILL START*

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 STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR: P.O. Box 176, Cut Bank, Montana 59427 SEP 00 1981

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: NE/4 SE/4 Sec. 25, 2139' FSL & 1220' FEL
 At proposed prod. zone: DIVISION OF OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 11 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE: 80

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

19. PROPOSED DEPTH: 5480'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4358' GR (Ungraded)

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	1300'	420 sx circulate to surface
7 7/8"	5 1/2"	15.5#	5480'	200 sx

MOUNTAIN STATES RESOURCES, INC. proposes to drill this well to gain optimum primary oil recovery from the Lower Ismay and Desert Creek zones in the Turner Bluff Field. Samples will be taken at 20' intervals from 1500' to 4000' and 10' intervals from 4000' to TD. No cores are planned. Two DST's of the Lower Ismay and Desert Creek may be run. Logs will be run from surface casing to TD. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached exhibit and will be tested at regular intervals. Necessary steps will be taken to protect the environment.

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: [Signature] TITLE: Area Production Supt. DATE: 9-17-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: [Signature] TITLE: Acting District Manager DATE: 09-01-83

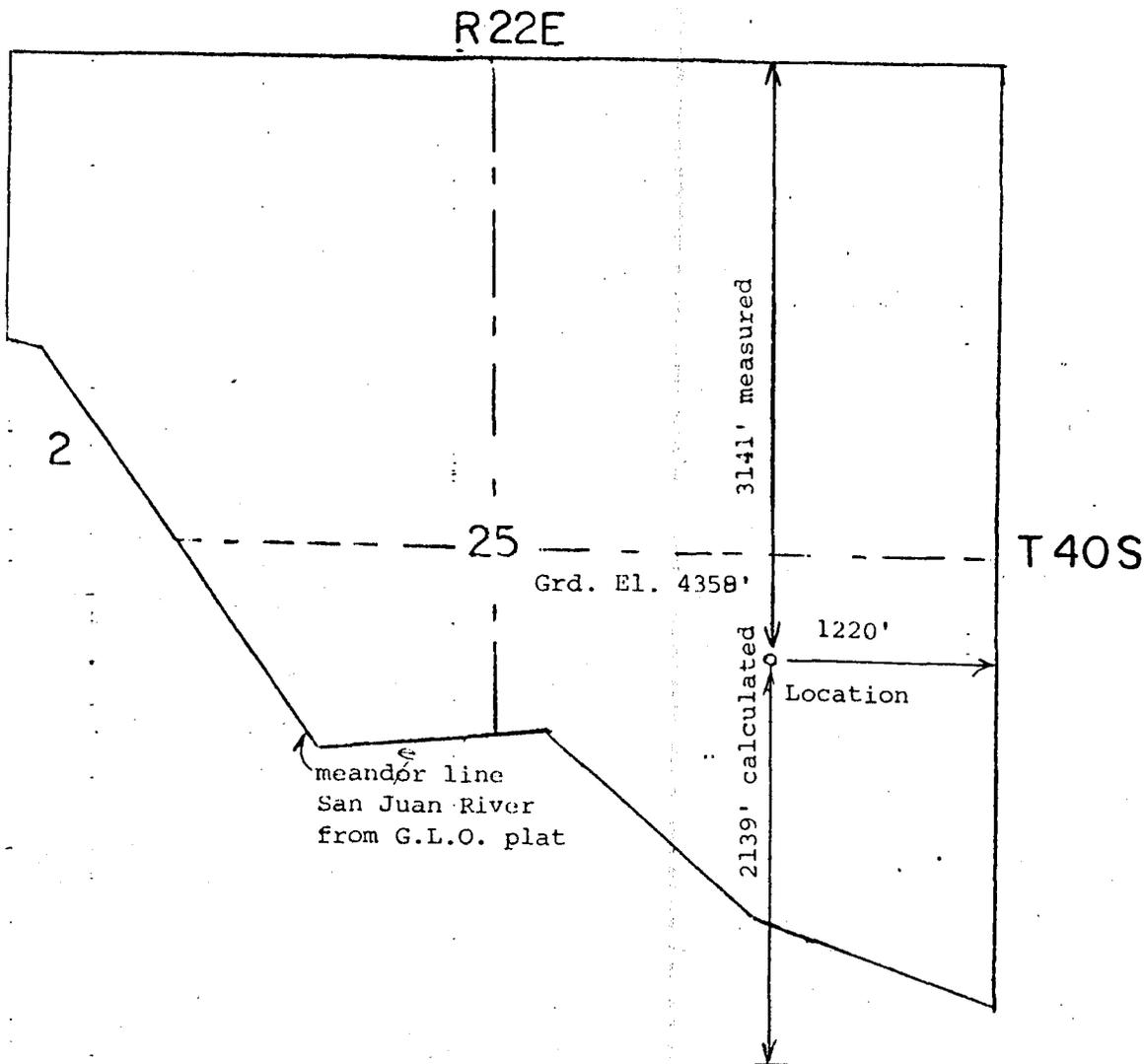
SUBJECT TO RIGHT OF WAY APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

NOTICE OF APPROVAL

STATE 0 #6



Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Connie Krivanek
 for Mountain States Resources, Inc.
 determined the location of M.S.R. #25-1 #1 Federal
 to be 2139' FSL & 1220' FEL Section 25 Township 40 South
 Range 22 East Salt Lake Meridian
 San Juan County, Utah

I hereby certify that this plat is an accurate representation of a correct survey showing the location of

Date: 2 August 1982

Arnold J. Nuddleston
 Licensed Land Surveyor No. Exception
 State of Utah

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Mountain States Resources, Inc. Well No. 25-1
Location T. 40 S., R. 22 E., Sec. 25 Lease No. U-46712

**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: Tom Hare

Office Phone: 801-259-6111 Ext 235 Home Phone: 801-259-7965

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 480 South First West, P.O. Box 7, Monticello, Utah 84535

Your contact is: Brian Wood

Office Phone: 801-587-2201 Home Phone: 801-587-2087

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

Mountain States Resources
Well No. 25-1
Section 25-40S-22E
Lease U-46712
San Juan County, Utah

Supplemental Stipulations:

1. Topsoil from the drill pad and access road areas to a depth of 6 to 8 inches should be stockpiled. This will aid in the rehabilitation of the area. Stockpiled topsoil will be stored outside the floodplain (on the west side of the proposed tank battery) to avoid soil loss and resultant sediment loading of the waters in the event of flooding. This is to assure the long term preservation of the stockpiled topsoil in the event the well is a producer. Reclamation calls for recontouring the pad to match the hillocks which already exist in the area, then spreading the stockpiled topsoil over the newly contoured pad and reseeding the area. The access road will be leveled to match the surrounding terrain and the stockpiled topsoil spread over the area prior to reseeding.
2. The operator must construct a drill pad and access road three feet above the surrounding land. During construction the disturbance of natural vegetation, such as the tamarisk plants, should be avoided where possible as the existing vegetation tends to slow floodwaters, stabilize or reduce erosion.
3. All wastes will be disposed of out of the floodplain at an approved facility or pit after drilling and completion operations have ceased. This would eliminate the potential for waste materials eroding or leaching into the San Juan River.
4. A protective dike (firewall) should be constructed around all production tanks at the production facilities site as well as any fuel tanks used during drilling. This would reduce the potential for spills and subsequent water pollution.
5. In the event the well is a producer, the well pad would be rip-rapped with rock at the upstream side to prevent long term scouring and erosion.
6. If the well should be completed as a producer, and based on the results of the well test, a high/low pressure shut off valve shall be installed at the well head should liquid hydrocarbons be produced or, depending on quantity and quality, brine water produced. This would reduce the risk of pollution to the San Juan River in the event of production line failure.
7. No activity is permitted in the main stream channel.
8. In the event of a dry hole, no marker will be installed.
9. Drilling operations will not be conducted from April 1, through June 15 (time of spring run-off) due to anticipated high water flow.

10. The operator's 404 permit and Corps of Engineers' conditions of approval be made part of the BLM approval. The seeding prescription in the Corps' conditions of approval will replace the prescription in the APD.
11. The pump jack and wellhead will be painted juniper green.
12. The operator will have to apply for a right-of-way for any off-lease production facilities.

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.



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

RECEIVED
NOV 28 1983

November 25, 1983

Mr. Cleon B. Feight, Director
NATURAL RESOURCES & ENERGY
STATE OF UTAH
4241 State Office Building
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

RE: MSR/Federal #25-1 Well
NESE Sec. 25: T40S - R22E
San Juan County, Utah

Dear Mr. Feight:

We take pleasure in advising that we have finally been allowed to drill the above captioned well; which you approved for drilling on October 6, 1982. It took over one year of battling with the various regulatory agencies, including inter-agencies of the State of Utah, to get this well permitted, and the payoff, of course, was when the Army Corps of Engineers became involved because we "possibly could destroy" 1.8 acres of drill site!

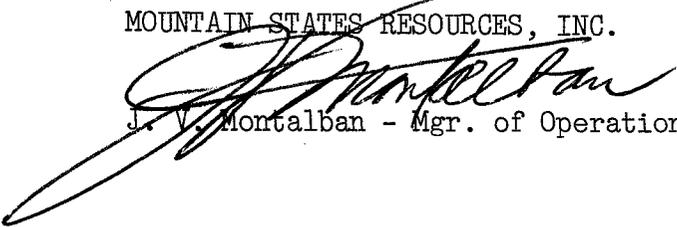
At any rate, we now enclose the following, for your files:

- (1) Daily drilling Report from commencement of operations on September 1, 1983, to the setting of production casing on October 7, 1983.
- (2) Copy of Rocky Mtn. Geo-Engineering Mud Log.
- (3) Summary Reports & Chromatograph Data on zones of interest No.'s 1 - 11.
- (4) A Final Geological Report prepared by our Consulting Geologist, Connie M. Krivanek, of Farmington, covering activities from the date the well was spudded to the setting of production casing. This Report also includes a Litho-Log, as prepared by Mr. Krivanek, and a Cement Bond Log, run by Basin Perforators, enclosed in the rear of the Report.
- (5) A complete suite of Gearhart Logs:
 - (i) Dual Induction Laterlog
 - (ii) Compensated Density Neutron Log
 - (iii) Laserlog - X-Plot

We do not have any State of Utah forms needed to file properly with your Agency. Accordingly, may we ask that you be kind enough to have your Department send us a supply of all forms, so that we may comply with the Utah rules and regulations.

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.


J. V. Montalban - Mgr. of Operations

JVM/cbm
Encs:

CONNIE KRIVANEK
PETROLEUM GEOLOGIST

copy TO UTAH
STATE

MOUNTAIN STATES RESOURCES, INC.
Federal Well No.25-1
Turner Bluff Field
C, N $\frac{1}{2}$, SE Section 25, T40S R22E
San Juan County, Utah

RECEIVED

NOV 28 1983

DIVISION OF
OIL, GAS & MINING

RECEIVED

OCT 20 1983

MOUNTAIN STATES RESOURCES, INC.

CONNIE KRIVANEK
PETROLEUM GEOLOGIST

GEOLOGICAL WELL REPORT

Prepared for

MOUNTAIN STATES RESOURCES, INC.
P.O. Box 176
Cut Bank, Montana 59427

FEDERAL WELL NO.25-1
TURNER BLUFF FIELD

C, N $\frac{1}{2}$, SE Section 25, T40S R22E
San Juan County, Utah

by

Connie M. Krivanek
609 Meseta
Farmington, New Mexico 87401

October 14, 1983



C O N T E N T S

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Federal Well No.25-1

CONNIE KRIVANEK
PETROLEUM GEOLOGIST

WELL: Federal 25-1

OPERATOR: Mountain States Resources, Inc.

DRILLING CONTRACTOR: Energy Search Drilling Co./Farmington, New Mexico

LOCATION: C, N $\frac{1}{2}$, SE(2139' FSL and 1220' FEL) Section 25
Township 40 South, Range 22 East

COUNTY: San Juan

STATE: Utah

LEASE NO.: U-46712

ELEVATION: 4362' graded; 4376' Kelly Bushing

COMMENCED DRILLING: September 23, 1983 7:00 a.m. ✓

CEASED DRILLING: October 5, 1983 9:50 p.m.

HOLE SIZE: 12-3/4" to 1372'; 7-7/8" to 5490'

CASING RECORD: 8-5/8" @1368'; 5 $\frac{1}{2}$ " @5485'

TOTAL DEPTH: 5525' logger; 5490' driller

HOLE STATUS: Waiting on completion tools

MUD COMPANY: Milchem/Farmington, New Mexico

MUD ENGINEER: Don Linder and Leo Butler

DRILLING SUPERVISOR: Calvin Anderson, Energy Search Drilling Co.
Reno Roncco, Mountain States Resources, Inc.

WATER SOURCE: Pumped from San Juan River at location

CORES: None

DRILL STEM TESTS: None

HOLE DIFFICULTIES: Five to six-inch fresh water flow from Entrada sandstone at 170'. One-inch salt water flow (10,000 ppm+) from DeChelley sandstone at 2278'. The water flow continued even with 9.5 pound/gallon mud in hole.

CONNIE KRIVANEK
PETROLEUM GEOLOGIST

LOGS:

MECHANICAL LOGS, Gearheart Industries, Inc.
Farmington, New Mexico

- 1) Compensated Density-Neutron Log: 5524' to 3500'
 - 2) Dual Induction Laterolog: 5524' to 1358'
Gamma Ray to surface
 - 3) Laserlog: 5524' to 4280'
- Log Engineer: Tim Boyden

MUD LOG, Rocky Mountain Geo-Engineering
Grand Junction, Colorado. Mud logger-
geologist, Frank Gardner and Tony
Vervloet, 5"=100' from 4010' to 5525'

Lithologic log, C.M. Krivanek 5"=100'
4010' to 5525'

QUALITY OF SAMPLES:

Good

DISPOSITION OF
SAMPLES:

Bagged ditch samples sent to American Stratigraphic Company/Denver, Colorado, by RMEC

Dry-cut sample setts sent to MSR, Inc. Cut Bank, Montana, by RMEC

SURFACE FORMATION:

Bluff Sandstone

CONNIE KRIVANEK

PETROLEUM GEOLOGIST

DRILLING FLUID DATA

DEPTH (IN FT.)	MUD WEIGHT	VISCO- ITY	pH	W.L.	MUD CAKE in 1/32"	ppmCl	Ca	1983 DATE
198	water							September
1372	water							23
1372	8.4	32	11.0	14	2	500		24
2071	9.1	36	10.0	15	2	600	0	25
2788	9.1	34	10.5	16	2	6,400	100	26
3298	9.0	32	10.5	14.5	2	6,800	40	27
3595	9.2	33	10.5	16.8	2	10,000	200	28
3684	9.2	32	10.5	18.6	2	9,500	520	28
3797	9.1	32	10.5	16.0	2	9,000	240	29
4106	9.2	33	10.5	14.4	2	8,800	120	29
								30
								October
4428	9.2	32	10.0	18	2	9,000	260	1
4660	9.3	31	10.0	19	2	9,500	240	2
5165	9.2	38	11.0		2	10,000	80	3
5240	9.5	41	11.5	6.0	2	10,000	60	4
5490	9.6	51	12.0	8.0	2	10,000	60	5

B I T R E C O R D

NO.	MAKE	SIZE"	TYPE	NO.	DEPTH OUT	1000#					
						FEET	HOURS	WOB	RPM	SPM	LBS.PP
1	STC	12 $\frac{1}{4}$	F2	RR	1372	1300	20-3/4	a11	100	70	1800
2	Reed	7-7/8	HS51	RR	3201	1829	52 $\frac{1}{2}$	40	60	98	1750
3	Reed	7-7/8	HS51	RR	3643	442	22 $\frac{1}{2}$	40	60	98	1800
4	Sec	7-7/8	S86F	131855	4492	849	57 $\frac{1}{4}$	40	60	98	1800
5	STC	7-7/8	F-3	ED-1341	5291	749	61 $\frac{1}{2}$	40	60	98	1800
6	Smith	7-7/8	F-2	RR	5490	199	22	40	60	98	1800

H O L E D E V I A T I O N

1°	@ 60'	1°	@2966'
1 $\frac{1}{4}$ °	@180'	1 $\frac{1}{2}$ °	@3201'
1 $\frac{1}{4}$ °	@448'	2°	@3643'
1 $\frac{1}{2}$ °	@691'	1°	@4192'
2°	@1002'	1-3/4°	@4492'
1-3/4°	@1863'	2 $\frac{1}{4}$ °	@5240'
2-3/4°	@2385'		

- - - - R E F E R E N C E W E L L S - - - -

MSR, INC. NO. 25-1 C, N $\frac{1}{2}$, SE Sec 25 T40S R22E	W.W. WHITLEY 2-25-3E SE NE Sec 25 T40S R22E	W.W. WHITLEY TIGER GOVT. 1-30 C, S/2 NW $\frac{1}{4}$ NW, SE Sec 30 Sec 25 T40S R22E
---	---	---

KB4376 TD5525	KB4370 TD5431	KB4372, TD5600	KB4373 TD5490
<u>DEPTH</u> <u>DATUM</u>	<u>DEPTH</u> <u>DATUM</u>	<u>DEPTH</u> <u>DATUM</u>	<u>DEPTH</u> <u>DATUM</u>

SYSTEM FORMATION

JURASSIC Bluff
Entrada
Carmel

06hi 194 4186 190 4180

True Vertical

TRIASSIC Navajo
Kayenta
Chinle
Shinarump

16hi 240 4136 250 4120
02hi 724 3652 820 3550
17hi 1257 3119 1268 3102
18hi 1925 2451 1937 2433

PERMIAN DeChelly
Organ Rock
Cutler

14hi 2270 2106 2278 2092
16hi 2316 2060 2326 2044
11hi 2970e 1406 2975e 1395

PENNSYLVANIAN Hermosa Group
Paradox Fm.

01 lo 4237 139 4230 140

 Ismay Zone 08 lo 5156 -780 5142 -772 5156 -783

 Lower Ismay 18 lo 5274e -898 5250e -880 5251 -879 5276s -903

 ** L. Ismay \emptyset 13 lo 5307 -931 5288 -918s 5262 -890 5302 -929

 ** Gothic 05 lo 5321 -945 5310 -940 5305 -933 5330 -957

 Desert Creek 04 lo 5360 -984 5350 -980 5347 -975 5375 -1002

 ** Desert Creek \emptyset 06 lo 5424 -1048 5412 -1042 5404 -1032 5435 -1062

 Chimney Rock 5471 -1095 Not logged Not logged

 Akah 5496 -1120 Not logged Not logged

 Total Depth
 (logger) 5525 -1149

**=Map Datums
e=estimated

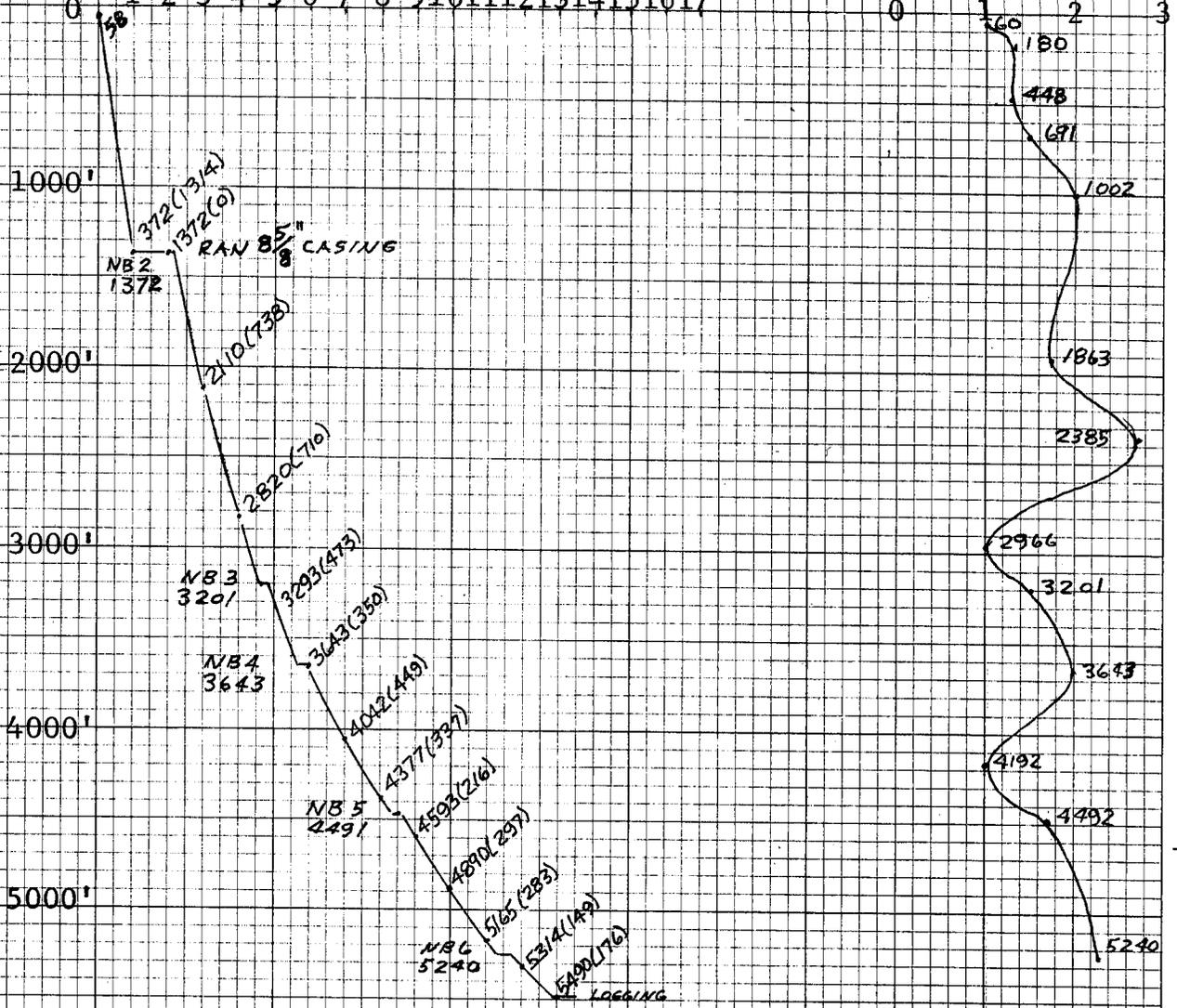
s=stratigraphic top
all log top depths in feet

CONNIE KRIVANEK
PETROLEUM GEOLOGIST

SEPT. 1983 23 24 25 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

OCT.

HOLE
DEVIATION



6:00 AM PENETRATION CHART

0 1 2 3

10 X 10 PER INCH

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CHRONOLOGICAL WELL HISTORY

<u>OPERATION DAY</u>	<u>1983 DATE</u>	<u>0600 DEPTH (FT.)</u>	<u>FOOTAGE DRILLED</u>	<u>REMARKS</u>
	September			
0	23	58	0	Began drilling at 58' at 0700
1	24	1372	1314	
2	25	1372	0	Set 8-5/8" casing @1368' NB2
3	26	2110	738	
4	27	2820	710	
5	28	3293	473	NB3 @3201'
6	29	3643	350	NB4 @3643
7	30	4042	449	
	October			
8	1	4377	337	
9	2	4593	216	NB5 @4491'
10	3	4890	297	
11	4	5165	283	
12	5	5314	149	NB6 @5240'
13	6	5490	176	Logging

DISTRIBUTION LIST

Mountain States Resources, Inc.
P.O. Box 176
Cut Bank, Montana 59427

6 copies
(includes original)

Attention: José Montalban

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WELL SUMMARY

INTRODUCTION

The Mountain States Resources, Inc., Federal Well No.25-1 is a 1790-foot stepout from the W.W. Whitley 2-25-3E well (Turner Bluff Field) located in the SW $\frac{1}{4}$, NE $\frac{1}{4}$ Section 25 T40S R22E. The 2-25-3E well had an initial potential flow of 245 BOPD, 110 MCFG/D and no water from the lower Desert Creek zone.

The purpose of drilling the 25-1 well was to drill the lower Ismay and lower Desert Creek porosity zones above their oil-water contacts as mapped in the Turner Bluff Field geologic report prepared for MSR, Inc., May 27, 1982.

RESULTS OF WELL NO.25-1

STRUCTURE

The top of the main lower Desert Creek porosity zone that produces oil and gas in the Field was drilled in the 25-1 well at 5424' (-1048). This was 6 feet low to the 2-25-3E well.

STRATIGRAPHY

Lower Ismay Porosity Zone, 5307'-5313'

The main porosity for this zone that produces oil and gas in the Field was not developed in the 25-1 well. However, the top of a stratigraphically lower six-foot thick porosity bed was drilled at 5307 feet (-931). The sub-sea datum of this bed was 11 feet low to the interpreted oil-water contact (-920) datum that limits the oil and gas production for this zone in the Field. The porosity zone exhibited 28 units of total gas on the hot wire and C₁ through C₄ gases on the chromatograph. Sample description of this zone is as follows: DOLOSTONE, grey-tan, fine crystalline, with pinpoint vuggy porosity, faint stain, pale even fluorescence, no cut. At 5310' log parameters are as follows: porosity 20%, resistivity 0.7 ohms, water saturation 100% using a water resistivity of .035 ohms.

Lower Desert Creek Porosity Zone, 5424'-5440'

This is the other main producing zone for the Turner Bluff Field. The top of the lower Desert Creek porosity zone was drilled at 5424' (-1048). The porosity zone exhibited 23 units of total gas on the hot wire and C₁ through C₄ gases on the chromatograph. Sample description of this zone is as follows: LIME WACKESTONE, white, tan, good pinpoint vuggy porosity, slightly dolomitic, good fluorescence and cut. At 5426' log parameters are as follows: porosity 5.5%, resistivity 30 ohms, water saturation 60% using a water resistivity of .035 ohms.

Base lower Desert Creek Zone, 5450'-5471'

The top of an additional 21-foot thick porosity zone at the base of the lower Desert Creek was drilled at 5450' (-1074). The zone is 14 feet

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below the proposed oil-water contact for the Field. The rock type, porosity and shows in the zone are similar to the above lower Desert Creek porosity zone. The zone exhibited a 16-unit gas show on the hot wire and C₁ through C₄ gases on the chromatograph. Logged porosities vary from 4 to 16%; water saturation varies from 70 to 100%.

RECOMMENDED PERFORATION ZONEPrimary Zone

5424'-5430' (6 feet); main lower Desert Creek porosity

CONCLUSIONS

The 5 to 7% porosity range in the main porosity zone in lower Desert Creek in the Federal 25-1 well compares to similar porosity values logged in the lower Desert Creek zone in the W.W. Whitley 2-25-3E well.

Water saturations from log interpretations are high and critical and could result in a combined flow of oil and high volumes of formation water.

Respectfully submitted,

Connie M. Krivanek

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SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH (IN FEET)

4010-4020	SILTSTONE, maroon
4020-4030	SILTSTONE, maroon; SHALE, grey-green; SANDSTONE, brown, very fine, silty
4030-4040	SANDSTONE, brown, silty
4040-4050	LIME MUDSTONE, white, clean, dense, trace coal
4050-4060	MUDSTONE, red brown; LIME MUDSTONE, as above, trace; SILTSTONE, grey brown
4060-4070	MUDSTONE, red brown; LIME MUDSTONE, grey, dense, trace
4070-4080	MUDSTONE, red brown, grey green; SILTSTONE, grey-brown, white; LIME MUDSTONE, tan, dense, trace
4080-4090	MUDSTONE, brown
4090-4100	MUDSTONE, brown, trace brick red
4100-4110	MUDSTONE, brick red, grey
4110-4120	MUDSTONE, as above
4120-4130	MUDSTONE, as above; LIME MUDSTONE, grey, dense, trace
4130-4140	MUDSTONE, brick red, red brown, green grey; LIME MUDSTONE, tan, dense
4140-4150	MUDSTONE, as above
4150-4160	MUDSTONE, as above
4160-4170	MUDSTONE, as above
4170-4180	MUDSTONE, as above
4180-4190	MUDSTONE, as above
4190-4200	MUDSTONE, as above; SHALE, dark grey, trace
4200-4210	MUDSTONE, as above
4210-4220	SHALE, red brown; SILTSTONE, grey green; LIME MUDSTONE, brown, fine
4220-4230	LIME MUDSTONE, white, grey, dense; SHALE, red brown; CHERT, amber
4230-4240	MUDSTONE, red brown; SHALE, dark grey, blocky, limey; SHALE, brick red; LIME MUDSTONE, white, light grey, dense HERMOSA 4237
4240-4250	LIME MUDSTONE, as above, fine crystalline; MUDSTONE, red brown, light green; SHALE, dark grey-black
4250-4260	SHALE, red brown; LIME MUDSTONE, white-tan, dense; MUDSTONE, grey, light green
4260-4270	LIME MUDSTONE, grey-brown, tan, fine crystalline, dense; SHALE, brown, grey, red
4270-4280	LIME MUDSTONE & SHALE, as above
4280-4290	LIME MUDSTONE, white, clean, tan, dense; CHERT, amber, clear
4290-4300	WACKESTONE, white, clean, dense, slightly sandy; CHERT, amber
4300-4310	WACKESTONE, tan, dense; MUDSTONE, red brown 10%; CHERT, amber
4310-4320	MUDSTONE, as above; WACKESTONE, brown, slightly dolomitic, dense, fine crystalline
4320-4330	WACKESTONE, as above; SHALE, red brown; CHERT, amber
4330-4340	SANDSTONE, white, fine grained, subangular, calcareous cement; MUDSTONE, red brown

CONNIE KRIVANEK

PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

LAGGED SAMPLES

DEPTH (IN FEET)

4340-4350	SANDSTONE, as above
4350-4360	SANDSTONE, as above; MUDSTONE, light grey
4360-4370	SILTSTONE, green grey, calcareous; LIME MUDSTONE, tan, dense
4370-4380	SHALE, red brown, grey; SANDSTONE, white, fine, calcareous, tight; LIME MUDSTONE, grey, trace white, tan, dense
4380-4390	MUDSTONE, grey, brown, trace black; SILTSTONE, grey, calcareous
4390-4400	WACKESTONE, white, dense, pellets; SILTSTONE, brown, calcareous; SHALE, red brown
4400-4410	MUDSTONE, grey, brown, calcareous; CHERT, amber
4410-4420	MUDSTONE, as above; LIME MUDSTONE, white-tan, dense, 10%
4420-4430	SANDSTONE, white, fine-medium, calcareous; SHALE, brown; LIME MUDSTONE, as above
4430-4440	SHALE, red brown, grey, red; CHERT, smokey?
4440-4450	SHALE, red-dark brown, grey, silty
4450-4460	SHALE, as above
4460-4470	SHALE, as above
4470-4480	SHALE, as above
4480-4490	LIME MUDSTONE, white, clean, chalky, dense, fine crystalline, sandy, soft; SHALE, red-dark brown, grey
4490-4500	SHALE, red brown, grey, brown
4500-4510	SHALE, as above; SHALE, grey, calcareous; LIME MUDSTONE, white, dense, trace
4510-4520	SHALE, as above
4520-4530	MUDSTONE, green grey; SHALE, red brown; COAL, black trace
4530-4540	MUDSTONE, as above, silty; LIME MUDSTONE, white, clean; SANDSTONE, white, fine grained, calcareous, tight
4540-4550	MUDSTONE, LIME MUDSTONE, SANDSTONE, as above
4550-4560	LIME MUDSTONE, tan, dense
4560-4570	LIME MUDSTONE, light brown, dense; SILTSTONE, green grey
4570-4580	LIME MUDSTONE, as above, tan; SILTSTONE, grey; CHERT, amber
4580-4590	SILTSTONE, green grey; SHALE, brown
4590-4600	SILTSTONE, SHALE, as above
4600-4610	SILTSTONE, SHALE, as above
4610-4620	SHALE, brown; LIME MUDSTONE, brown-tan, chalky, dense, fine grained
4620-4630	LIME MUDSTONE, as above; SILTSTONE, green grey
4630-4640	WACKESTONE, tan, white, pellets, fine grain, dense; SILTSTONE, SHALE, green grey
4640-4650	LIME MUDSTONE, tan, grey, chalky, dense
4650-4660	SANDSTONE, green grey, medium, poor sorted, calcareous, tight, LIME MUDSTONE, brown, sucrosic, tight; SHALE, brown
4660-4670	LIME MUDSTONE, light brown, dense; SILTSTONE, grey; SHALE, grey; trace coal
4670-4680	LIME MUDSTONE, grey, shaley, dense; trace coal

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PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

LAGGED SAMPLES DEPTH (IN FEET)

4680-4690	SILTSTONE, white, sandy, very calcareous; LIME MUDSTONE, white, dense; SHALE, grey
4690-4700	SHALE, red brown, green grey, grey, silty, trace; LIME MUDSTONE, white, dense; trace coal
4700-4710	SHALE, as above
4710-4720	SHALE, as above
4720-4730	SHALE, as above
4730-4740	LIME WACKESTONE, grey, tan; SHALE, grey; SILTSTONE, green grey
4740-4750	LIME MUDSTONE, brown, grey, dense
4750-4760	LIME MUDSTONE, as above, trace, tan
4760-4770	LIME MUDSTONE, tan, dense
4770-4780	LIME MUDSTONE, tan, slightly chalky, dense; SHALE, green grey
4780-4790	SHALE, dark grey-black, calcareous
4790-4800	LIME MUDSTONE, tan-dark grey, dense
4800-4810	SILTSTONE, green grey; LIME MUDSTONE, as above; SHALE, grey black, calcareous
4810-4820	LIME MUDSTONE, tan
4820-4830	LIME MUDSTONE, tan-chalky, white
4830-4840	LIME MUDSTONE, brown-tan, shaley, dense; SHALE, dark grey
4840-4850	LIME MUDSTONE, grey brown, some tan, dense
4850-4860	MUDSTONE, dark brown, grey-black, very calcareous
4860-4870	MUDSTONE, as above; LIME MUDSTONE, tan, dense
	SHOW 1, 4862'-4866', 8 Units
4870-4880	LIME MUDSTONE, as above, chalky
4880-4890	LIME MUDSTONE, as above, fine grain, dense; SHALE, black
4890-4900	LIME MUDSTONE, tan, white, dense
4900-4910	LIME MUDSTONE, tan, dense
4910-4920	LIME WACKESTONE, grey, dense; SHALE, grey
4920-4930	LIME MUDSTONE, grey, dense; SHALE, dark grey, trace
4930-4940	LIME WACKESTONE, white-tan; dense, fine grain; SHALE, grey
4940-4950	SHALE, grey, calcareous
4950-4960	SHALE, as above
4960-4970	SHALE, as above
4970-4980	SHALE, as above
4980-4990	SHALE, as above
4990-5000	SHALE, as above, black
5000-5010	SHALE, grey-black, calcareous
5010-5020	SHALE, as above; LIME WACKESTONE, white, dense
5020-5030	LIME WACKESTONE, as above; SHALE, dark grey, brown-black; CHERT, amber
5030-5040	SHALE, green grey, brown grey, slightly calcareous; LIME WACKESTONE, tan, as above, trace
5040-5050	LIME WACKESTONE, tan, brown, dense; SHALE, brown black
5050-5060	LIME WACKESTONE, brown, dense; SHALE, as above
5060-5070	LIME MUDSTONE, white, clean, dense; SHALE, as above, carbonaceous

CONNIE KRIVANEK

PETROLEUM GEOLOGIST

SAMPLE DESCRIPTION

LAGGED SAMPLES

DEPTH (IN FEET)

5390-5400	DOLOSTONE, grey, clean
5400-5410	LIME MUDSTONE, grey, dense
5410-5420	LIME WACKESTONE, grey, mostly tight, trace, pinpoint vuggy porosity
5420-5430	DOLOSTONE, grey, tight; LIME WACKESTONE, white, tan, good even fluorescence, good crush cut. DESERT CREEK Ø 5424' SHOW 9, 5422'-5440', 23 Units
5430-5440	LIME WACKESTONE, white, tan, good pinpoint vuggy porosity, good fluorescence and cut; LIME WACKESTONE, white-tan, fine grained, soft, dolomitic, pinpoint vuggy porosity, good even bright fluorescence, good crush cut
5440-5450	LIME WACKESTONE, as above, good fluorescence and crush cut; LIME WACKESTONE, as above, dolomitic, trace pinpoint vuggy porosity, fair fluorescence and cut SHOW 10, 5446'-5466', 16 Units
5450-5460	LIME WACKESTONE, as above, fluorescence and faint cut, pinpoint vuggy porosity; LIME WACKESTONE, as above, fluorescence and cut
5460-5470	LIME WACKESTONE, as above, dolomitic, pinpoint vuggy porosity, fluorescence and cut; DOLOSTONE, tan, sucrosic, tight, scattered fluorescence, no cut
5470-5480	SHALE, black, fissile
5480-5490	SHALE, black, as above
5490-5500	LIME WACKESTONE, grey-dark grey, brown, dense, shaley AKAH 5496'
5500-5510	LIME WACKESTONE, as above, shaley
5510-5520	DOLOSTONE, grey, fine grained, firm, scattered fluorescence, faint crush cut SHOW 11, 5509'-5520', 27 Units
5520-5530	TD 5490' Driller; TD 5525' Logger



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MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

1983

DAILY WELL REPORT

MSR/FEDERAL #25-1 Well

ENERGY SEARCH RIG #1
(Contractor)

Calvin Anderson - Toolpusher

DIVISION OF OIL, GAS & MINING

LOCATION:

NE/4 SE/4 Sec.25 T40S R22E
Turner Bluff Field, San Jaun County, Utah
4358' GR.(Ungraded) 5480' Proposed Depth
2139' FSL - 1220' FEL

Sept. 1-10/3

Built access road, drilling pad location and dug cellar.
Hauled in 8,500 yds. of fill for drilling pad.
Installed cattle guard and fenced location. Cost of location
and pad \$37,200.00

Sept. 12/83
Monday

Moved on dry hole digger, "L.C.Jones, Grants, New Mexico",
drilled 24' of 28" diameter hole and set 24' of 20" conductor
pipe. Cemented with 75 sax ready-mix to surface. W.O.C.

Sept.13/3
Tuesday

Drilled 58' of 20" hole and set 58' of 14" conductor pipe.
Cemented with 75 sax ready-mix to surface W.O.C.

Sept. 14/83
Wednesday

Dug rat hole and mouse hole. Total cost of setting conductor
pipe, dry hole digging cement, rat hole and mouse hole \$6,200.00
REMARKS: Fresh water gel mud was used to drill the 28" hole,
rat hole and mouse hole. Sand encountered at 8' and
a small seeping water show at 45', all cemented off
O.K. All depths ground level for datum.

Sept. 15/83
Thursday

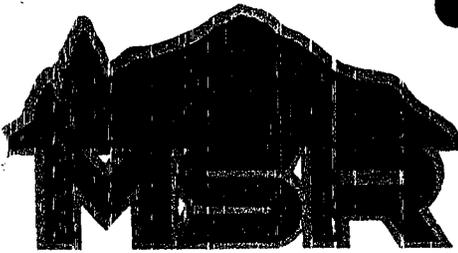
W.O.C.

Sept. 16-22/3

Move on ENERGY SEARCH RIG #1 and rig up over conductor hole
"RIG #1 - IDECO MODEL 1,000, capacity 10,000".

Sept. 23/83
Friday

6:AM
Drilling 12 $\frac{1}{4}$ " surface hole @ 330'. Small water flow @ 170'
will drill approximatley 1350' of 12 $\frac{1}{2}$ " surface hole and set
8 5/8" - 24# surface casing over week end.
REMARKS: Started moving rig thursday 22.
7:AM - Trucks on location.
7:AM - 9:PM - 14 hrs. move and rig up.
5hrs. - Finish rigging up and weld flow line and B.O.P.
Friday: Finish rigging up - 5 $\frac{1}{2}$ hrs. weld B.O.P. and
nippling up flow lines. 1 hr. repair lite
plant. 3 $\frac{1}{2}$ hrs. nipple up and test B.O.P.
Spudded 5:AM Friday.....



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1983

DAILY WELL REPORT

MSR/FEDERAL #25-1 Well

Energy Search Rig.#1

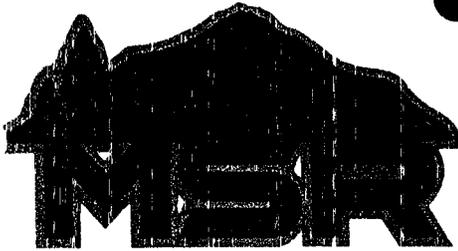
Sept. 24/83
Saturday

6:AM Days Operation (2)
Depth: 1,372', Made last 24hrs. 1,300', Status: Preparing to run surface casing.
Bit: #1A, make STC-DTJ, size 12 $\frac{1}{4}$ ", Jt.size 1X15, Ser.#R.R.EC0089
In at 72', out 1,372', Ftge.1,300', Hrs.20 $\frac{3}{4}$. F/P/H.62.65
D/S: String wt.78,000, Wt.on Bit 45,000,D.C.(2)8"X30'-(18)6 $\frac{1}{4}$ "X30'
Size 8" - 6 $\frac{1}{4}$ ", BHO.670'
Pump: Omega 2X750, liners 6 $\frac{1}{2}$ "X8"
Mud: Water
Mixed past 24 hrs: 17 gel, 3 fibre tex.
Surveys: 1° @ 72, 1 $\frac{1}{4}$ ° @ 120', 1 $\frac{1}{4}$ ° @ 448', 1 $\frac{1}{2}$ ° @691', 1 $\frac{3}{4}$ ° @1,102'
1 $\frac{1}{2}$ ° @ 1,372'.
Past 24 hrs: 20 $\frac{3}{4}$ hrs. Drilling 12 $\frac{1}{4}$ " surface hole to 1,372'.
1 ...hr. Pick up 8" D.C.
1/4hr. Trip out to run casing.
1 $\frac{1}{4}$..hr. Run survey
3/4..hr. Circ. at total depth.
Total..... 24 Hrs.
Remarks: Preparing to run 8 5/8" - 24# surface pipe.

Sept. 25/83
Sunday

6:AM Days operation (3)
Depth: 1,372' Made last 24 hrs. 0.
Past 24 hrs: 1hr....trip out of hole and run casing.
1/2hr..lay down 8"D.C. and shock sub.
2 $\frac{1}{2}$ hr... rig up and run casing
6 $\frac{3}{4}$ hr.. W.O.T.C.
3/4 hr...circulate
1 $\frac{3}{4}$ hr..cement.
4 hr...nipple up.
3 hr...put on new drilling line.

REMARKS: Ran 34Jts. 8 5/8" - 24# K55 and STC. 1354" set K.B. at 1,368' - cemented with 600 sax of B.J. lite, 200 sax C1-B. Got good returns to surface, slight water flow. W.O.T.C. 2 $\frac{1}{2}$ hrs. squeezed with 100 sax Class B-3% c/c Killed water flow.



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1983

DAILY WELL REPORT

MSR/FEDERAL #25-1 Well

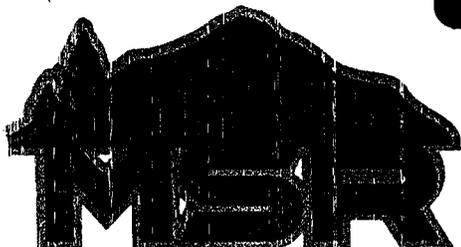
Energy Search Rig #1

Sept. 26/83
Monday

6:AM Days operation (4)
Depth: 2,110', Made last 24 hrs. 730', Status: Drilling
Bit:#2 Reed, size 7 7/8", Jt.size 10-12-B, Ser.#R.R.A34004
In at 1,372', still in, Ftge.738', hrs. 16 3/4. F/P/H.44'
D/S: 75,000, wt.on bit 45,000, D.C.18X30', size 6 1/2 X 2 1/4, BHA.608'
Pump: Omega-D750, liners 6", Stks.100, Press.2,000#, Table RPM.60
Mud: vis:36, wt.9.1, W.L.15, PH.10,F.C.2/32, LCM: Nil
Mixed past 24hrs. 16sax gel, 8 starch, 3 soda ash, 1 chromate,
1 caustic.....mud cost \$1,447.00
Surveys: 1 3/4° @ 1,863'
Past 24 hrs: 16 3/4Hrs. Drilling
1 3/4Hrs. Tripping
1/4 Hrs. Survey
2 Hrs.... Repair brakes on rig.
1 hr..... Drilling line
2 1/4 hr....Drilling plug and 51' cement.
Total..... 24Hrs.
Remarks: Drill out from under surface at 1:PM -- Sept.25/83.

Sept. 27/83.
Tuesday

6:AM Days Operation (5)
Depth: 2,820', Made 710', Status: Drilling
Bit:#2 Reed-FP-52, size 7 7/8", Jt.size 10-12-B, Ser.#3400R/R.
In @ 1,372', still in @ 2820',Ftge:1448',Hrs.39 1/4, F/P/H.31.5
D/S: 90,000, wt.on Bit 40,000, D.C.18X30, size 6 1/2 X 2 1/4, BHA: 608
Pump: Omega D-750, liners 6",stks.96, Press.2200, Table RPM.60
Mud: vis.34, wt.9.1, WL.16,PH.10.5,F.C. 2/32, LCM: Nil
Mixed past 24 hrs: 55 gel, 13 starch,1 chromate,10 uncal,8 sax
soda ash, 8 caustic soda.....mud cost - yesterday \$1,551.00
Total cost as of to-day....\$2,998.00
Past 24 hrs: 22 1/2 hrs. Drilling
1/2 hrs. Survey
1 hrs. Rig Service
TOTAL..... 24 hrs.



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

1983

DAILY WELL REPORT

MSR/FEDERAL #25-1 Well

Energy Search Rig #1

Sept. 28/83
Wednesday

6:AM Days operation (6)

Depth: 3,273', Made last 24 hrs. 453', Status: Drilling

Bit: #2 Reed, FP-51, size 7 7/8", Jt. size 10X12XB, Ser.#R.R.34004

In @ 1,372', Out 3,201, Ftge: 1829', Hrs. 52½, F/P/H.34.8

Bit: #3 Reed-FP-51, size 7 7/8", Jt. size 11X12XB, Ser.R.R.94589

In @ 3,201', still in, Ftge.72', Hrs. 3½, F/P/H.

D/S: St.Wt.96,000, wt. on Bit 40,000, D.C.18X30, size 6½X2½, B/H/A.610.95

Pump: Omega D750, liners 6, Stks.100, Press.1750, Table RPM.60

Mud: vis:32, wt.9.0, W.L.16, PH.10.0, F/C.2/32, LCM N11

Mixed past 24 hrs: 20 gel, 2 caustic soda, 3 uncal, 1 chromate.

Surveys: 1° @ 2966, 1½° @ 3201

Past 24 Hrs:

16 3/4 hrs. Drilling

5 hrs. Trip.

1 hrs. Ream 50' to bottom

½ hrs. Survey

3/4 hrs. Rig service

TOTAL

24.....hrs.....

Sept. 29/83
Thursday

6:00A.M. Days operation (7)

Depth: 3,643', Made Last 24 hrs. 370', Status: Tripping for Bit #4

Bit: #3 Reed FP-51, Size: 7 7/8", Jt.Size 11X12XB, Ser.#RR94589

IN @ 3,201', Out 3,643, Ftge: 442, Hrs. 22½, F/P/H 19.6

Bit: #4 Sec. S86, Size: 7 7/8", Jt.Size: 11X12, Ser.131855

IN @ 3,643

D/S: St.Wt. 100,000, Wt. on Bit 45,000, D.C. 18X30, Size: 6½x2½ BHA 610.95

Pump: Make Omega D-750, Liners 6, Stks. 100, Press.1800, RPM 65

Mud: Vis: 32, Wt. 9.2, W.L. 16.8 PH. 10.5, F.C. 2/32

Mixed Past 24 Hours: 20 gel, 6 soda ash, 5 uncal, 10 starch 5 caustic
soda, 1 chromate

Surveys: 2° @ 3643

Past 24 Hrs.

19 Hrs. Drilling

3 3/4 Trips

1/4 Survey

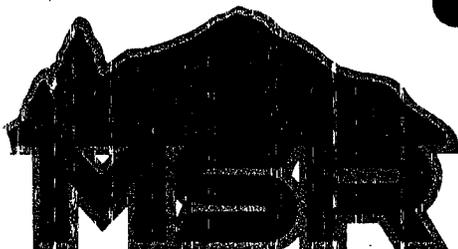
1/2 R/S

1/2 Clean out junk basket

1/2 Wash & 50' to bottom

24 Hours

REMARKS: 21 1/2" water flood 3500 - weight 9.3



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OIL & GAS EXPLORATION & PRODUCTION

OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 176 - Cut Bank, Montana 59427 - (406) 873-2235

1983

DAILY WELL REPORT
MSR/FEDERAL #25-1 Well

Energy Search Rig #1

Sept. 30/83
Friday

6:00A.M. Days operation (8)
Depth: 4.038', Made Last 24 Hrs. 395, Status: Drilling
Bit: #4, Make Sec. S86F, Size 7 7/8", Jt. Size: 11X12XB, Ser.#131855
IN AT: 3643, Still In, Footage 395, Hours 23 3/4, F/P/H 16.9
D/S: 106,000, Wt. on Bit 45,000, D.C. 18x30, Size: 6 1/2 x 2 1/4, BHS 610.95
Pump: Make Omega D-750, Liners: 6, Stks. 98, Pressure 1800, RPM 60
Mud: Vis; 34, Wt. 9.1, W.L. 15.0, PH. 10.5, F.C. 2/32, LCM Nil
Mixed Past 24 Hours: 62 gel, 15 starch, 15 soda ash, 9 caustic soda
17 uncal, 1 chromate, Mud: 5,131.00

Past 24 Hours:

6:00A.M. - 5:45A.M. 23 3/4 Hours - Drilling
5:45A.M. - 6:00A.M. 1/4 Hours - R/S

24 Hours

REMARKS: NONE

Oct. 1/83
Saturday

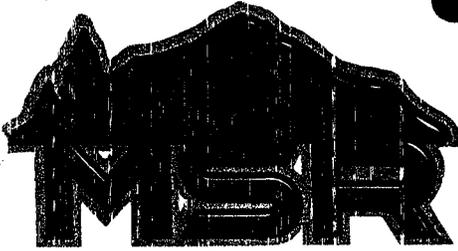
6:00A.M. Days operation (9)
Depth: 4375, Made Last 24 Hrs. 347, Status: Drilling w/Bit #4
Bit: #4, Make SEC S86F, Size: 7 7/8", Jet Size 11-12-Blank, Ser.#131855
IN AT: 3643, Still in 4375, Footage 732, Hrs. 46 1/2, Feet Per Hour 15.7
D/S: Strg. Wt. 110,000, Wt. on Bit 45,000, D.C. 18, Size: 30'x6 1/2 x 2 1/4", BHA610.9
Pump: Make 2x270 Omega, Liners: 6x8, Stks. 98, Pressure 1800, RPM 65
Mud: Vis: 34, Wt. 9.2, W.L. 12 c/c, PH. 10.5, F.C. 2/32, LCM Nil
Mixed Past 24 Hour 20 gel, 13 starch, 4 caustic, 4 unical, 1 chromate
mud 3231 - Drlg. 8362.00

Surveys: 1° @ 4192

Past 24 Hours:

6:00A.M. - 5:15A.M. - 23 1/4 Hrs. - Drilling
5:15A.M. - 5:45A.M. - 1/2 Hrs. - Survey
5:45A.M. - 6:00A.M. - 1/4 Hrs. - R/S

Remarks: Raining - location muddy - 4420 drilling depth @ 4PM
4680 Drilling @ 1.30



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OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

Energy Search Rig #1

1983

DAILY WELL REPORT
MSR/FEDERAL #25-1 Well

Oct. 2/83
Sunday

6:00A.M. Days operation (10)

Depth: 4588, Made Last 24 Hrs. 213, Status: Drilling Bit #5
Bit: #4, Make: SEC F86F, Size: 7 7/8", Jet Size 11-12-B, Ser.#131855
IN AT: 3643, Out 4492, Footage 849, Hrs. 57 1/4, Feet Per Hr. 14.8 Bald
Bit: #5, Make STC F3, Size: 7 7/8", Jet Size 11-12-B, Ser.#ED1341 (New Bit)
IN AT: 4492, Still in 4588, Footage 96, Hrs. 7 3/4, Feet Per Hour 12.3
D/S: Strg. Wt. 125,000, Wt. on Bit 40,000, D.C. 18, Size: 30x6 1/2 x 2 1/2, BHA 610.95
Pump: Make Omega 2x750, Liners 6x8, Stks. 98, Pressure 1800, RPM 65
Mud Vis: 32, Wt. 9.2, W.L. 15 c/c, PH. 10, F.C. 2/32, LCM Nil
Mixed Past 24 Hours: 27 gel, 7 unical, 7 caustic, 1 chromate
Surveys: 1 3/4° @ 4492
Past 24 Hours:

6:00A.M.	-	12:30A.M.	-	18 1/2 Hrs.	-	Drilling
12:30A.M.	-	4:15A.M.	-	3 3/4 Hrs.	-	Trip for Bit #5
4:15A.M.	-	4:30A.M.	-	1/4 Hrs.	-	Survey
4:30A.M.	-	4:45A.M.	-	1/4 Hrs.	-	Rig Service
4:45A.M.	-	5:15A.M.	-	1/2 Hrs.	-	Circ. for Trip
5:15A.M.	-	6:00A.M.	-	3/4 Hrs.	-	Ream out of gauge
					24 Hours	hole from Bit #4 reamed 30'

REMARKS: Casing on rack - 2 trucks Saturday - Still raining
4680 @ :30PM Oct 2/83 Drilling

Oct. 3/83
Monday

6:00A.M. Day operation (11)

Depth: 4882, Made Last 24 Hrs. 294, Status: Drilling w/Bit #5
Bit: #5, STC F-3, Size: 7 7/8", Jet Size: 11-12-Blank, Ser.#ED1341
IN AT: 4492, Still In 4882, Footage 390, Hours 31 1/4, Feet Per Hour 12.4
D/S: Strg. Wt. 128,000, Wt. on Bit 43,000, D.C. 18, Size: 6 1/2 x 30'
2 1/2 I.D. BHA 610.95
Pump: Make 2x750 Omega, Liners 6"x8", Stks. 98, Press 1900, RPM 65
Mud: Vis: 33, Wt. 9.4, W.L. 14.5, PH. 10.5, F.C. 2/32, LCM Nil
Mixed Past 24 Hours 33 gel, 12 starch, 5 unical 5 soda ash, 6 caustic
Surveys: 1 3/4° @ 4492
Past 24 Hours:

6:00A.M.	-	5:30A.M.	-	23 1/2 Hrs.	-	Drilling
5:30A.M.	-	6:00A.M.	-	1/2 Hrs.	-	R/S
					24 Hrs.	

REMARKS: Weather - Light rain
1st gas show on logging unit show #1 4832 to 4836 8 units CHO C-3
Depth 4927 @ 9AM

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OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

Energy Search Rig #1

1983

DAILY WELL REPORT
MSR/FEDERAL #25-1 Well

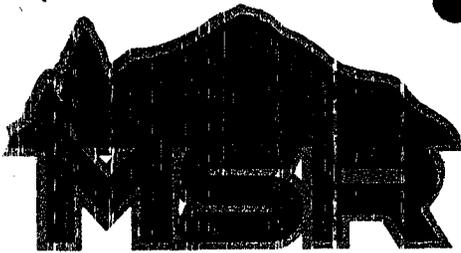
Oct. 4/83
Tuesday

6:00A.M. Day operation (12)
Depth: 5165, Made last 24 Hrs. 283, Status: Drilling with Bit #5
Bit: #5 STC F-3, Size: 7 7/8", Jet Size 11-12-Blank, Ser.#ED1341
IN AT: 4492, Still in 5165, Footage 673, Hours 55, Feet Per 12.12
D/S: Strg. Wt. 136,000, Wt. on Bit 40,000, D.C. 18, Size 6 1/2 x 30' x
2 1/4" ID, BHA 610.95
Pump: Make 2x750 Omega, Liners 6"x8", Stks. 98, Press 1950, RPM 60
Mud: Vis 39, Wt. 9.4, W.L. 10c/c, PH 12.2 F.C. 2/32, LCM N11
Mixed Past 24 Hours: 52 gel, 12 starch, 9 caustic, 4 soda ash, 6 unical
Surveys: 1 3/4° @ 4492
Past 24 Hours:
6:00A.M. - 5:45A.M. - 23 3/4 Hrs. - Drilling
5:45A.M. - 6:00A.M. - 1/4 Hrs. - R/S
24 Hours

Remarks: Casing on racks - sunshine today - lease drying up
Show #2 5118-5135 c1 to c2 & c3 2 units
Show #3 5138-5160 c1 to c3 - 3 units - no porosity tight
2PM Tuesday tripping @ 5240 Reno call
Show #4 5184-5214 4 units c1 thru c-4
Ismay top = 5142 Datum-766

Oct. 5/83
Wednesday

6:00A.M. Day operation (13)
Depth: 5314, Made last 24 Hrs. 149, Status: Drilling
Bit: #5, Make STC F3, Size: 7 7/8, Jet Size 11x12, Ser.#ED1341
IN AT: 4462, Out 5240, Footage 748', Hours 66 1/2, Feet Per Hour 11.2
Bit: #6, Make: F-2 STC, Size 7 7/8", Jet Size 12x12B, Ser. #RR
IN AT: 5240, In, Footage 74, Hours 9 1/2, Feet Per Hour 11.2
D/S: Strg. Wt. 140,000, Wt. on Bit 35,000, 38,000, D.C. 18x30 Size 6 1/2 x 2 1/4,
BHA 610.95
Pump: Make Omega D-750,, Liners 6", Stks. 8x100, Pressure 1800, RPM 60
Mud: Vis 40, Wt. 9.4, W.L. 9.0, PH 11.0, F.C. 2/32
Mixed Past 24 Hours, 91 gel, 11 starch, 16 unical, 1 mill flour, 1 chromate
6 caustic soda, daily mud #1302.00 total 12,920.00
Surveys: 2 1/4° @ 5240
Past 24 Hours:
6:00A.M. - 10:00P.M. - 16 Hrs. Drilling
10:00P.M. - 4:00A.M. - 6 Hrs. Trip for Bit #6
4:00A.M. - 4:15A.M. - 1/4Hrs. Survey
4:15A.M. - 4:45A.M. - 1/2Hrs. Rig Service
4:45A.M. - 5:00A.M. - 1/4Hrs. Rig repair
5:00A.M. - 6:00A.M. - 1 Hrs. Reaming 20' to bottom
REMARKS: Water flow came in on trip had drilling break 5264-5280
Lower Ismay porosity 5264-5280 - recorded 85 units of C5 to C8
Hydrocarbons



MOUNTAIN STATES RESOURCES, INC.

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OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

Energy Search Rig #1

1983

DAILY WELL REPORT
MSR/FEDERAL #25-1 Well

Oct. 6/83
Thursday

6:00A.M. Day operations (14)

Depth: 5526, Made Last 24 Hours: 212, Status Logging

Bit: #6, Make F2-STC, Size 7 7/8", Jet Size 12x12xB, Ser.#RR

IN AT: 5240, Out 5526 Footage 276', Hours 25½, Feet Per Hour 11.5

D/S: 140,000, Wt. on Bit 40,000, D.C. 18x30, Size 6½x2¼, BHA 610.95

Pump: Make Omega 750, Liners 6, Stks. 8x100, Press 1800 RPM 60

Mud: Vis: 51, Wt. 9.6, W.L. 8.8, PH. 11.5, F.C. 2/32

Mixed Past 24 Hours 115 Gel. , 27 unical, 3 starch, 13 caustic, 14 soda ash
1 chromate

Survey: 1 3/4° @ 5490

Past 24 Hours:

6:00A.M.	-	9:00P.M.	-	15 Hrs.	-	Drilling
9:00P.M.	-	12:30A.M.	-	3½ Hrs.	-	Trips
12:30A.M.	-	12:45A.M.	-	1/4Hrs.	-	Rig Service
12:45A.M.	-	3:00A.M.	-	2¼ Hrs.	-	Circ. for logs
3:00A.M.	-	6:00A.M.	-	3 Hrs.	-	Logging

24 Hours

REMARKS: Circulate sample @ 5412, log went to 5526 - upper Ismay 5158
Top lower Ismay Pro - 5304
Bottom Ismay Pro - 5324
(20') of pay lower Ismay)Gothic shale 5360
Top Desert Creek Porosity top bench 5424 - Bottom 1st Bench 5444
2nd Desert creek Bench Pro - 5446
Bottom 2nd Bench Pro - 5466
Ahka Shale 5468 - TD logs 5526
10AM Laying down drill pipe prepare to sun 5½ - 15.5# prod. casing

MOUNTAIN STATES RESOURCES, INC.

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OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

Energy Search Rig #1

1983

DAILY WELL REPORT
MSR/FEDERAL #25-1 Well

Octo.7/83

Friday

6:00A.M. Day operation (15)

Depth: 5526 5490-driller
corrected depth
by logger

Status: WOC and rigging down

Past 24 Hours:

6:00A.M.	-	8:30A.M.	-	2 1/2 Hrs.	-	Logging
8:30A.M.	-	11:00A.M.	-	2 1/2 Hrs.	-	Trips
11:00A.M.	-	2:00P.M.	-	3 Hrs.	-	lay down drill pipe & Drill collars
2:00P.M.	-	5:30P.M.	-	3 1/2 Hrs.	-	Change rams & run 5 1/2" casing
5:30P.M.	-	8:00P.M.	-	2 1/2 Hrs.	-	Circulate
8:00P.M.	-	9:30P.M.	-	1 1/2 Hrs.	-	cementing
9:30P.M.	-	6:00A.M.	-	8 1/2 Hrs.	-	Tear down

REMARKS: Ran 138 jts. of 5 1/2" 15.5# production casing J55 L+C -
50-50 pos. 2% gel + 10% salt (to slurry)

5502' set at 5485 KB cemented with 50 sax Class B -- 3% Calcium Chloride

Pumped 50 sax tigoise B cement down 8 5/8" annulus
shut off small water flow between 5'" & 8 5/8"

Plugged down 8:30PM 10-6-83



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

RECEIVED

NOV 26 1983

DIVISION OF
OIL, GAS & MINING

ZONE OF INTEREST NO. 1

INTERVAL: From 4862 To 4866

DRILL RATE: Abv 5 Thru 4.25 Below 5

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	.5	33	--	--	--	--	--	--	
During	8	170	106	88	11	32	--	--	
After	.5	33	--	--	--	--	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = ----

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample _____
 Poor
 Fair % in show lithology _____
 Good COLOR: _____

CUT: None Streaming _____
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind ?INTERGRAN? NOT VISIBLE

LITHOLOGY LS LTGRY CRM WH MICR-CRYPTOXLN DNS FRM BRIT SL-MODARG W/S WH CRM SFT FXLN MOD-

AREN W/S GRDG TO SS SLDOL0 CHLKY IN PT SAMPLE QUALITY FAIR

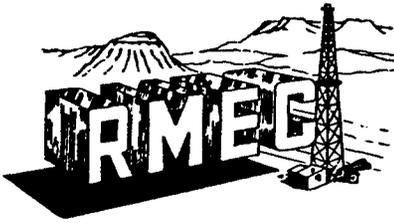
NOTIFIED CONNIE KRIVANEK REMARKS: GAS FROM INTBD SLTST & LS

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 2

INTERVAL: From 5148 To 5165 (GAS INTERVAL)

DRILL RATE: Abv 6.25 Thru 6 Below 6.5

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	1	66	--	--	--	--	--	--	
During	3	124	52	40	TR	TR	--	--	
After	2	82	46	24	--	--	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample TR
 Poor
 Fair % in show lithology TR
 Good COLOR: DL WH, YEL, ORG

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast

COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind NONE VISIBLE

LITHOLOGY SH GRY BRN RDBRN SLTY MICA & WXY IN PT CALC-VLMY//LS WH TAN MICR-CRYPTOXLN DNS

FRM BRIT MODARG W/S OFFWH LTGRY SFT-FRM MICR-FXLN SUC SAMPLE QUALITY FAIR

MODAREN CHLKY IN PT SLDOL

NOTIFIED CONNIE KRIVANEK REMARKS: NO SIGNIFICANT DRILLING BREAK

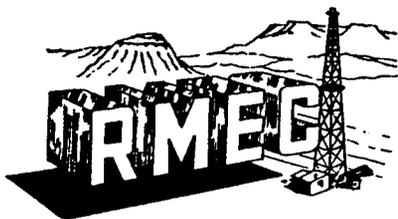
DRILL RATE ERRATIC INTBD SH SLTST TR LS

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 3

INTERVAL: From 5166 To 5190

DRILL RATE: Abv 5.75 Thru 4.5 & 6.25 Below 5.75

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	2	82	46	24	--	--	--	--	
During	4	363	144	24	--	--	--	--	
After	2	82	46	24	--	--	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
None % in total sample _____
Poor
Fair % in show lithology _____
Good COLOR: _____

CUT: None Streaming
Poor Slow
Fair Mod
Good Fast
COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind NONE VISIBLE

LITHOLOGY LS WH TAN W/S LTGRY MICR-CRYPTOXLN SFT-FRM W/S BRIT CHLKY IN PT W/S SUC//SH GRY

BRN RDBRN SLTY MICA & WXY IN PT CALC-LMY SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK REMARKS: SERIES OF 3 PEAKS FROM 3 TO 4 UNITS

INTBD LS & SH TR SLTST

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 17 1988

ROCKY MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 4

INTERVAL: From 5214 To 5244

DRILL RATE: Abv 6 - 6.5 Thru 5 - 7.5 - 5 Below 5

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	2	94	40	24	--	--	--	--	
During	10	330	165	90	18	24	--	--	
After	4	115	56	36	17.5	17.5	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample _____
 Poor
 Fair % in show lithology _____
 Good COLOR: _____

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind POSSIBLE DOLO FRAC

LITHOLOGY LS MOTL BRN W/S TAN CRM MIC-FXLN W/S CRYPTOXLN FRM-BRIT DNS OCC CHLKY DOLO

FRAC IN PT INTBD W/ BRN & GRY SH SLTY & LMY SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK REMARKS: SERIES OF TWO PEAKS RANGING FROM

3 TO 10 UNITS -- 3 UNITS FORM 5220-5222 10 UNITS FROM 5228-5235 ABOUT 50 MIN.

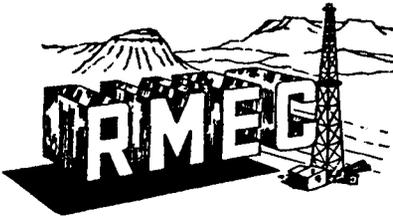
IN PEAK

ZONE DESCRIBED BY: FRANK GARDNER

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 5

INTERVAL: From 5304 To 5310

DRILL RATE: Abv 10 Thru 1.75 2 Below 6.5

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	2	99	23	12	--	--	--	--	
During	28	1085	387	201	9	44	--	--	
After	1	33	TR	--	--	--	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS READING}}{\text{X Min. in Peak}} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample 80
 Poor
 Fair % in show lithology 70
 Good COLOR: DL YELGLD

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind PIN POINT VUG

LITHOLOGY DOLO CRM TAN MICR-VFXLN LMY IN PT SL-MODARG FRM-SFT SUC CHLKY IN PT

SAMPLE QUALITY GOOD

NOTIFIED CONNIE KRIVANEK REMARKS: VERY SHARP PEAK 8 min ACROSS BASE

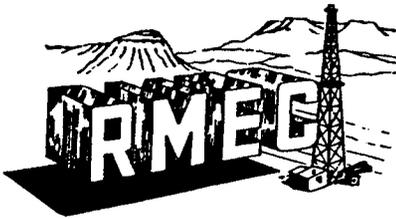
DRILLING BREAK 5314-5316 (3.75 min/ft) GAS INCR TO 2.5 UNITS

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 6

INTERVAL: From 5221 To 5356

DRILL RATE: Abv 10 Thru 4.5-7.5 Below 8

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	2	99	23	12	--	--	--	--	
During	18	1185	463	192	35	70	--	--	
After	CONT ON #7								

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS READING}}{\text{X Min. in Peak}} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample _____
 Poor
 Fair % in show lithology _____
 Good COLOR: _____

CUT: None Streaming _____
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind NONE VISIBLE

LITHOLOGY SH DKGRY BLK W/S CARB SLSLTY W/TR GRDG TO SLTST WXY & MICA IN PT FRM-SFT

BLKY-PLTY DOLO-SLCALC

SAMPLE QUALITY FAIR-GOOD

NOTIFIED CONNIE KRIVANEK

REMARKS: GAS INCR THRU OUT ZONE SERIES

OF 4 PEAKS BETWEEN 5 & 18 UNITS 5 UNITS- 5321-5324 8 UNITS-- 5326-5330 &

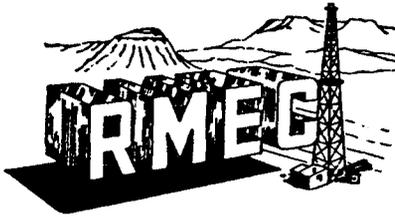
5330-5336 18 UNITS-- 5336-5356

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 7

INTERVAL: From 5356 To 5358

DRILL RATE: Abv 5 Thru 3.75 Below 6

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	18	1185	463	192	35	70	--	--	
During	28	1782	759	312	52	78	--	--	
After	19	1209	515	211	36	52	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
None % in total sample _____
Poor
Fair % in show lithology _____
Good COLOR: _____

CUT: None Streaming
Poor Slow
Fair Mod
Good Fast
COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind NONE VISIBLE

LITHOLOGY SH DKGRY BLK W/S CARB SLSLTY W/TR GRDG TO SLTST WXY & MICA IN PT FRM-SFT DOLO-

SLCALC

SAMPLE QUALITY FAIR-GOOD

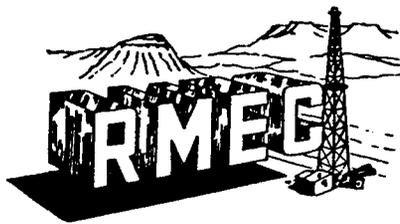
NOTIFIED CONNIE KRIVANEK REMARKS: _____

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 8

INTERVAL: From 5366 To 5380

DRILL RATE: Abv 8.5 Thru 6.5 Below 8

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	18	1185	463	192	35	70	--	--	
During	34	1826	782	408	102	148	--	--	
After	12	528	253	144	21	70	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample _____
 Poor
 Fair % in show lithology _____
 Good COLOR: _____

CUT: None Streaming _____
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: _____

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind NONE VISIBLE

LITHOLOGY SH DKGRY BLK W/S CARB SLSTLY FRM-SFT BLKY-PLTY DOLO-SLCALC//LS LTGRY OFFWH MICR-

FXLN SUC FRM-SFT MOD-VARG SLDOLO

SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK REMARKS: SERIES OF 2 PEAKS FROM 26 TO 34 UNITS

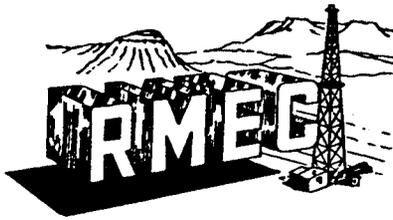
34 UNITS-- 5373 - 5380 26 UNITS-- 5366 -5371

ZONE DESCRIBED BY: TONY VERVLOET

RECEIVED

OCT 11 1983

MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 9

INTERVAL: From 5422 To 5440

DRILL RATE: Abv 5 Thru 2 - 2.5 Below 3.5 - 4

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He	
Before	2	165	72	36	--	--	--	--	
During	23/13	1122 660	575 345	360 192	70 70	105 140	--	--	
After	2	132	57	30	TRACE	TRACE	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample 15-30
 Poor
 Fair % in show lithology 25-65
 Good COLOR: BRIT YEL-WH

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast
 COLOR: MLKY

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind PIN POINT VUG

LITHOLOGY LS TAN CRM FXLN SFT W/S DNS CHLKY DOLO IN PT

SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK REMARKS: TWO PEAKS 23 AND 13 UNITS, 35 MIN

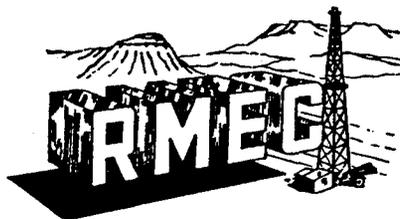
ACCROSS BASE OF FORMER, 15 MIN ACCROSS BASE OF LATTER, DROPPED TO 2 UNITS IN 30
MIN

ZONE DESCRIBED BY: FRANK GARDNER

RECEIVED

037 11 1983

ROCKY MOUNTAIN SERVICES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 10

INTERVAL: From 5446 To 5466

DRILL RATE: Abv 4 Thru 2 - 1 - 2.5 Below 5 - 4

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He
Before	2	132	57	30	TRACE	--	--	
During	16	800	360	230	50	70		
After	2	130	55	30	TRACE	--	--	

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} = \text{-----}$

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample 25-40
 Poor
 Fair % in show lithology 20-60
 Good COLOR: _____

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast

COLOR: MLKY

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind PIN POINT VUG

LITHOLOGY LS TAN WH LTGRY CRYPTO-FXLN SFT-FRM W/S DNS & HD DOLO

SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK

REMARKS: GRADUAL INCREASE TO 16 UNITS OVER

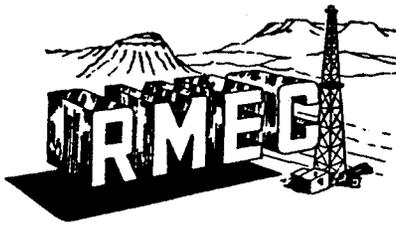
35 MIN, SLIGHT GAS VARIATION W/IN ZONE, DROPPED TO 2 UNITS AFTER 25 MIN

ZONE DESCRIBED BY: FRANK GARDNER

RECEIVED

OCT 11 1983

ROCKY MOUNTAIN STATES RESOURCES, INC.



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL LOGGING — CORE AND WATER ANALYSIS

2450 INDUSTRIAL BLVD.

PHONE 243-3044

GRAND JUNCTION, COLORADO 81501

ZONE OF INTEREST NO. 11

INTERVAL: From 5509 To 5519

DRILL RATE: Abv 5-6 Thru 4 Below 6.5

MUD GAS-CHROMATOGRAPH DATA

	Total Gas	C1	C2	C3	C4-i	C4-n	C5	He
Before	2	130	70	35	TR	TR	--	--
During	27	1353	600	360	52	70	--	--
After	2	130	70	35	TR	TR	--	--

Type gas increase: Gradual Sharp

Gas variation within zone: Steady Erratic Increasing Decreasing

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = -----

Sensitivity: Poor Fair Good

FLUO: Mineral Even Spotty
 None % in total sample 30
 Poor
 Fair % in show lithology 90
 Good COLOR: DLYEL

CUT: None Streaming
 Poor Slow
 Fair Mod
 Good Fast
 CRUSH CUT ONLY COLOR: MLKY WH

STAIN: None Poor Fair Good Live Dead Residue Even Spotty Lt. Dk.

POROSITY: Poor Fair Good Kind PIN POINT VUG

LITHOLOGY SH DKGRY LTGRY FRM-SFT BLKY-PLTY SLTY GRDG TO SLTST IN PT GRDG TO DOLO//DOLO
LTBRN CRYPTO-VFXLN VARG & SLTY GRDG TO SH SAMPLE QUALITY FAIR

NOTIFIED CONNIE KRIVANEK REMARKS: SHARP INCR TO 27 UNITS OVER 5 min
DROPPED TO 2 UNITS IN 25 min GRADUAL INCR TO 18 UNITS OVER 15 min(from 5517-
5520)

ZONE DESCRIBED BY: FRANK GARDNER

PLANTYER
 11 1983

ROCKY MOUNTAIN GEO-ENGINEERING, INC.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____

FEDERAL #25-1 Well

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
December, 19 83

Agent's Address F. Bernion Redd, Attorney at Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed _____
Monticello, Utah 84535-0157 Title Y.V. Montalban - President
 Phone No. (801) 587-2424

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 - 1	7	198.09		Trace	-0-	158	API#43-037-30823 Swab testing to test tank Nov. to 12-12. Swabbing load and acid water and oil to test tank. Dec. 8 Hauling fill & gravel. Dec. 9 Building pumpjack pad. Dec. 11 Setting pumpjack Dec. 12 Building tank battery. Dec. 13 Connect well to pipeline and tank battery. Dec. 15 Finishing hooking up pumping unit. Dec. 19 Start Pumping. Dec. 20 Unit down. Dec. 26 Started unit at 2:PM.

FEB 10 1984

GAS: (MCF)
 Sold -0-
 Flared/Vented -0-
 Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month -0-
 Produced during month 198.09*
 Sold during month -0-
 Unavoidably lost -0-
 Reason: -0-
 On hand at end of month 198.09*

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well. *On Hand End of Month 198.09 Bbls. Oil & BS & B. Needs to be heated and treated to sell next month.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

September 25, 1984

Mountain States Resources Incorporated
P.O. Box 176
Cut Bank, Montana 59427

Gentlemen:

Re: Well No. M.S.R. Federal 25-1 - Sec. 25, T. 40S., R. 22E.
San Juan County, Utah - API #43-037-30823

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

Rule C-5 of The Oil and Gas Conservation General Rules and Regulations and Rules and Practice and Procedure states:

Within ninety (90) days after the suspension of operations on, abandonment of, or the completion of any well drilled for the production of oil and/or gas, and within ninety (90) days after the completion of any further operations on the well, if such operations involved drilling deeper or drilling or redrilling any formation, a well log shall be filed with the Commission on a form prescribed by the Commission, together with a copy of the electric and radioactivity logs, if run.

Please complete the enclosed Form OGC-3 and forward it to this office as soon as possible.

Page 2
Mountain States Resources, Inc.
Well No. M.S.R. Federal 25-1
September 25, 1984

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Sincerely,



Claudia L. Jones
Well Records Specialist

clj
Enclosure
cc: Dianne R. Nielson
 Ronald J. Firth
 John R. Baza
 File
00000005/7-8

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No.
Federal Lease No. U-46712
Indian Lease No.
Fee & Pat.
FEDERAL #25-1 Well

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
September, 1984

Agent's Address F. Bennion Redd, Attorney at Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed [Signature]
Monticello, Utah 84535-0157 Title J. V. Montalban - President
Phone No. (801) 587-2424

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	API NUMBER/REMARKS (If drilling, depth; If shut down, cause and date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 - 1	0	0	0	0	0	0	API#43-037-30823 Well shut-in pending rework & recompletion, or abandonment.

GAS: (MCF)
Sold -0-
Flared/Vented -0-
Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month 130.30
Produced during month 0
Sold during month 0
Unavoidably lost 0
Reason: _____
On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No.
Federal Lease No. U-46712
Indian Lease No.
Fee & Pat.
FEDERAL #25-1 Well

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
OCTOBER, 1984

Agent's Address F. Bennion Redd, Attorney at Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed [Signature]
Monticello, Utah 84535-0157 Title Montalban - President
Phone No. (801) 587-2424

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 - 1	0	0	0	0	0	0	API#43-037-30823 Well shut-in pending rework & recompletion.
NOV 26										

GAS: (MCF)
Sold -0-
Flared/Vented -0-
Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month 130.30
Produced during month 0
Sold during month 0
Unavoidably lost 0
Reason: _____
On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No.
 Federal Lease No. U-46712
 Indian Lease No.
 Fee & Pat.
FEDERAL #25-1 Well

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
OCTOBER, 1984

Agent's Address F. Bennion Redd, Attorney at Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed _____
Monticello, Utah 84535-0157 Title J. A. Montalban - President
 Phone No. (801) 587-2424

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause and date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 - 1	0	0	0	0	0	0	API#43-037-30823 Well shut-in pending rework & recompletion.

RECEIVED
 NOV 26 1984
 DIVISION OF OIL
 GAS & MINING

GAS: (MCF)
 Sold -0-
 Flared/Vented -0-
 Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month 0
 Sold during month 0
 Unavoidably lost 0
 Reason: _____
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

MOUNTAIN STATES RESOURCES, INC.

Operations Office-CBM Building
P.O. Box 176 • Cut Bank, Montana 59427
Phone (406) 873-2235

RECEIVED
DEC 24 1984

MEMO-LETTER DIVISION OF
OIL, GAS & MINING

TO STATE OF UTAH
Department of Natural Resources
Division of Oil & Gas Conservation
4241 State Office Building
Salt Lake City, Utah 84114

DATE December 12, 1984

SUBJECT Lease #U-46712

Turner Bluff Field

San Juan County, Utah
MSR/FED.#25-1 Well

Gentlemen:

Enclosed herewith please find our Form DOGC-4 Report
of Operations and Well Status Report for the above captioned lease
for the month of November/84 in triplicate. Kindly return one copy
stamped "RECEIVED" for our files.

Thank you,

Sincerely,

MOUNTAIN STATES RESOURCES, INC.

Evelyn Anderson
Evelyn Anderson - Prod. Admin.

EA/me
Encs:

MOUNTAIN STATES RESOURCES, INC.

Operations Office-CBM Building
P.O. Box 176 • Cut Bank, Montana 59427
Phone (406) 873-2235

MEMO-LETTER

N2610

TO STATE OF UTAH

Department of Natural Resources

Division of Oil & Gas Conservation

4241 State Office Building
Salt Lake City, Utah 84114

DATE January 18, 1985

SUBJECT Lease #U-46712

Turner Bluff Field
San Juan County, Utah
MSR/FED.#25-1 Well

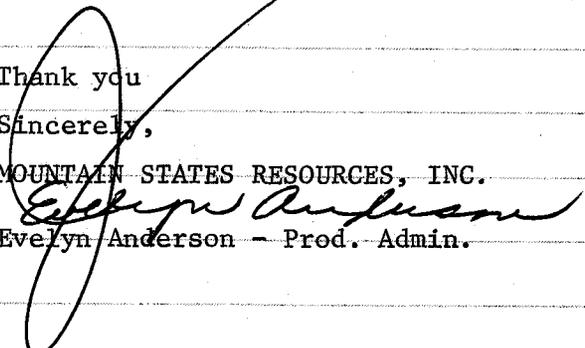
Gentlemen:

Enclosed herewith please find our Form DOGC-4 Report
Of Operations and Well Status Report for the above captioned lease
for the month of December/84 in triplicate. Kindly return one copy
stamped "Received" for our files.

Thank you

Sincerely,

MOUNTAIN STATES RESOURCES, INC.


Evelyn Anderson - Prod. Admin.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE STATE OF UTAH COUNTY SANJUAN FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
January, 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law Company MOUNTAIN STATES ENTERPRISES, INC.
Box 157 - 132 S. Main Signed _____
Monticello, Utah 84535-0157 Title J.V. Moabban - President
 Phone No. (801)587-2424

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	<u>25</u> <u>1</u>	0	0	0	0	0	0	API#43-037-30823 Remarks: This well will now be reworked. Necessary documentation has been filed and approved by the BLM in Moab, Utah, and the State of Utah, at Salt Lake City. Rework will commence when the "Eagle nesting period" will terminate at the end of February 1985.

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ =0=
 Used On/Off Lease _____ =0=

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____
 FEDERAL #25-1 Well

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE UTAH COUNTY SAN JUAN FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
December, 19 84

Agent's Address: F. Bennion Redd, Attorney-at-Law Company: MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed: *[Signature]*
Monticello, Utah 84535-0157 Title: J. W. Montalbano - President
 Phone No. (801)587-2424

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 1	0	0	0	0	0	0	<p align="center"><i>conf.</i></p> <p>API#43-037-30823</p> <p align="center">RECEIVED JAN 23 1985 DIVISION OF OIL, GAS & MINING</p> <p>Well shut-in pending rework & recompletion.</p>

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ -0-
 Used On/Off Lease _____ -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No.
 Federal Lease No. U-46712
 Indian Lease No.
 Fee & Pat.

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE STATE OF UTAH COUNTY SANJUAN FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
January, 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed _____
Monticello, Utah 84535-0157 Title J.V. Moababan - President
 Phone No. (801)587-2424

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25 1	0	0	0	0	0	0	API#43-037-30823 Remarks: This well will now be reworked. Necessary documentation has been filed and approved by the BLM in Moab, Utah, and the State of Utah, at Salt Lake City. Rework will commence when the "Eagle nesting period" will terminate at the end of February 1985.

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ -0-
 Used On/Off Lease _____ -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

RECEIVED
JAN 20 1985

DIVISION OF
OIL, GAS & MINING

January 24, 1985

District Engineer
BUREAU OF LAND MANAGEMENT (BLM)
P. O. Box 970
Moab, Utah 84532

Dear Sir:

RE Proposed Redrill of
MSR/Federal #25-1 Well
Sec. 25 - T40S - R22E
San Juan County, Utah

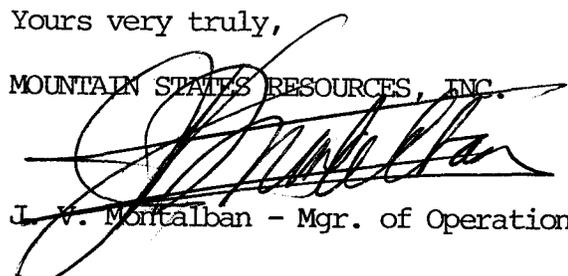
Enclosed herewith please find three (3) copies of your Form 9-331C, Application for Permit to Redrill the above captioned well.

We would appreciate receiving your approval as soon as possible, as we have a rig standing by ready to move on.

Thanking you for your consideration in this matter, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.


J. V. Montalban - Mgr. of Operations

JVM/cbm
Encs: (3)
cc: Natural Resources & Energy Dept.
STATE OF UTAH
4241 State Office Bldg.
Salt Lake City, Utah 84114

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 REDRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR
 CBM Bldg. - P.O. Box 1995 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 NE 1/4 SE 1/4 Sec. 25, 2139' FSL and 1220' FEL
 At proposed prod. zone
 NE 1/4 SE 1/4 Sec. 25, 1820' FSL and 1320' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 11 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5500' TVD, 5510'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4376' KB

22. APPROX. DATE WORK WILL START*
 October 1, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-46712

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

7. UNIT AGREEMENT NAME
 D/N/A

8. FARM OR LEASE NAME
 M.S.R. Federal

9. WELL NO.
 25-1

10. FIELD AND POOL, OR WILDCAT
 Turner Bluff *Underground*

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 25, T40S, R22E, S.L.

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8"	5 1/2"	15.5#	5510' MD	200 SX

MOUNTAIN STATES RESOURCES, INC. proposes to redrill this well because commercial production has not been attained. The well will be drilled to a different subsurface location in the same Desert Creek reservoir. Samples will be taken at 20' intervals from 1500' to 4000' and 10' intervals from 4000' to TD. No cores are planned. Two DST's of the Lower Ismay and Desert Creek may be run. Logs will be run from 3500' to TD. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached exhibit and will be tested at regular intervals. The original Ten Point Program and Surface Use and Operations Plan will apply. The proposed procedure is attached.

RECEIVED
 JUN 20 1985
 OIL, GAS & MINING

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.

SIGNED *[Signature]*
J. V. Montalban
 (This space for Federal or State office use)

TITLE Manager of Operations

DATE _____

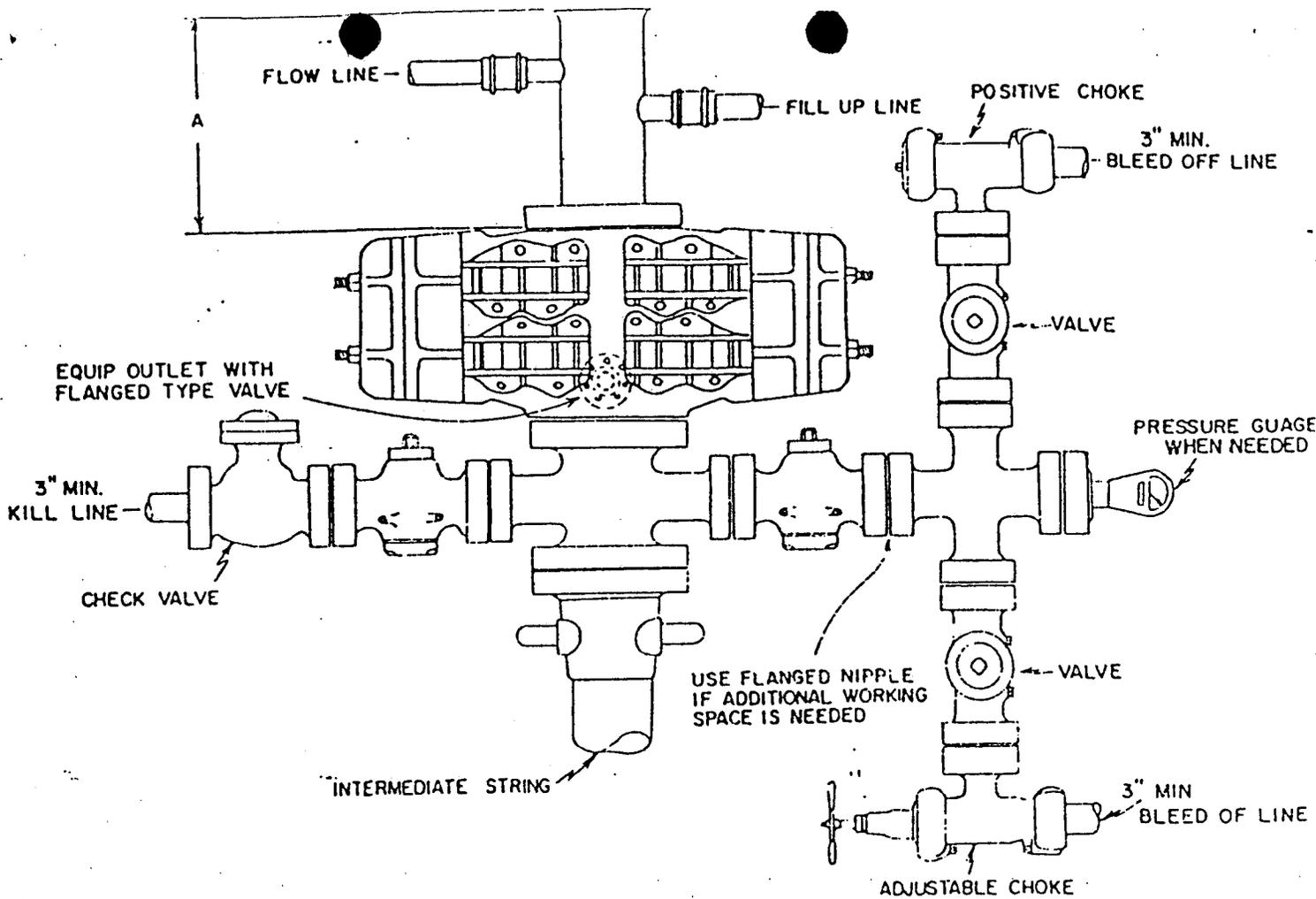
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

[Signature]
 John R. Bays

RECEIVED



NOTE. BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS; ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS.

Minimum equipment requirements are:

1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas.

3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.

4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.

5. Kelly cock must be used at all times and should be checked daily.

RECEIVED

MOUNTAIN STATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 REDRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR
 CBM Bldg. - P.O. Box 1995 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 NE 1/4 SE 1/4 Sec. 25, 2139' FSL and 1220' FEL
 At proposed prod. zone
 NE 1/4 SE 1/4 Sec. 25, 1820' FSL and 1320' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 11 miles west of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5500' TVD, 5510'

19. PROPOSED DEPTH MD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4376' KB

22. APPROX. DATE WORK WILL START*
 October 1, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-46712

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

7. UNIT AGREEMENT NAME
 D/N/A

8. FARM OR LEASE NAME
 M.S.R. Federal

9. WELL NO.
 25-1

10. FIELD AND POOL, OR WILDCAT
 Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 25, T40S, R22E, S.L.M

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8"	5 1/2"	15.5#	5510' MD	200 SX

MOUNTAIN STATES RESOURCES, INC. proposes to redrill this well because commercial production has not been attained. The well will be drilled to a different subsurface location in the same Desert Creek reservoir. Samples will be taken at 20' intervals from 1500' to 4000' and 10' intervals from 4000' to TD. No cores are planned. Two DST's of the Lower Ismay and Desert Creek may be run. Logs will be run from 3500' to TD. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached exhibit and will be tested at regular intervals. The original Ten Point Program and Surface Use and Operations Plan will apply. The proposed procedure is attached.

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 [Signature] TITLE Manager of Operations DATE _____
J. V. Montalban

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE Acting District Manager DATE 2/7/85
 CONDITIONS OF APPROVAL, IF ANY:

RECORDED

AUG 11 1984

1100
 State of Utah DOG-M.

M.S.R. Federal 25-1
Procedure for Abandonment and Redrill

1. TOOH with rods and tubing.
2. Set 5½" CIBP at 5350' KB.
3. Spear 5½" casing and remove slips.
4. Run free point survey to determine free point of 5½" casing.
5. TOOH and lay down 5½" casing.
6. RIH with 2 7/8" tubing and spot 75 sx Class B cement across 5½" casing stub to CIBP.
7. Spot 75 sx Class B cement at 2300' KB.
8. Spot 50 sx Class B cement at 1600' KB to bottom of 8 5/8" casing at 1357' KB.
9. MIRT.
10. Pick up sidetrack bit, dynadrill, bent sub, and drill string. RIH to top of plug.
11. Run gyro and orient motor.
12. Sidetrack hole and build angle.
13. TOOH and lay down motor, bit, and bent sub.
14. RIH with bit, I.B.S., and drill string.
15. Commence drilling to a B.H.L. of 1820' FSL and 1320' FEL.

(Re-drill)

OPERATOR Mountain States Resources, Inc. DATE 2-5-85

WELL NAME M.S.R. Federal 25-1 (Redrill)

SEC N/2 SE 25 T 40S R 22E COUNTY San Juan

43-037-30823
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

- Water

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

185-3 5/27/82
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1. - Water
2. - Directional well
3. - Notice 24 hrs.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

February 6, 1985

Mountain States Resources, Inc.
CBM Building
P. O. Box 1995
Cut Bank, Montana 59427

Gentlemen:

Re: Well No. M.S.R. Federal #25-1 - N/2 SE Sec. 25, T. 40S, R. 22E
(Surf.) 2139' FSL, 1220' FEL, (BHL) 1820' FSL, 1320' FEL
San Juan County, Utah

Approval to ~~re-drill~~ the above referenced oil well is hereby granted in accordance with Order of Cause No. 185-3 dated May 27, 1982 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.
3. This office shall receive notice at least 24 hours prior to commencement of operations.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Mountain States Resources, Inc.
Well No. M.S.R. Federal #25-1
February 6, 1985

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-30823.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____

RECEIVED

REPORT OF OPERATIONS AND WELL STATUS REPORT APR 01 1985

STATE STATE OF UTAH COUNTY SAN JUAN FIELD/LEASE TURKEY FOOT FIELD DIVISION OF OIL
GAS & MINING

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
February 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law
Box 157 - 132 S. Main
Monticello, Utah 84535-0157
 Phone No. (801)587-2424

Company MOUNTAIN STATES RESOURCES, INC.
 Signed [Signature]
 Title J.V. Montalban - President

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	<u>25</u> <u>1</u>	0	0	0	0	0	0	API#43-037-30823 Remarks: Well will be reworked in early March, as soon as the "Eagle Nesting" period is over as per intention filed.....

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ -0-
 Used On/Off Lease _____ -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-30823

NAME OF COMPANY: MOUNTAIN STATES RESOURCES

WELL NAME: MSR Federal 25-1

SECTION N/2 SE 25 TOWNSHIP 40S RANGE 22E COUNTY San Juan

DRILLING CONTRACTOR Energy Search Drilling

RIG # 2

SPUDDED: DATE 3-13-85

TIME _____

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Reno Roncco

TELEPHONE # (303) 565-1190

DATE 3-12-85

SIGNED JRB

MOUNTAIN STATES RESOURCES, INC.

Operations Office — CBM Building

P. O. Box 176 — Cut Bank, Montana 59427

Phone (406) 873-2235

**MINUTE
MEMO**

TO: STATE OF UTAH
Department of Natural Resources
Division of Oil & Gas Conservation
4241 State Office Building
Salt Lake City, Utah 84114

Date: ***** March 15, 1985

Subject: Lease #U-46712

Turner Bluff Field

San Juan County, Utah
MSR/FED.#25-1 Well

Gentlemen:

Enclosed herewith please find our Form DOGC-4 Report
of Operations and Well Status Report for the above captioned lease
for the month of February/85 in triplicate. Kindly return one copy
stamped "Received" for our files.

Thank you,

Sincerely,

MOUNTAIN STATES RESOURCES, INC.

Evelyn Anderson

Evelyn Anderson - Prod. Admin.

APR - 1 1985



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Mountain States Resources

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

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

March 25, 1985

RECEIVED

MAR 27 1985

DIVISION OF OIL
GAS & MINING

State Of Utah
Division of Oil, Gas & Mining
Attn: Arlene Sollis
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Application 09-1415

Dear Arlene:

Enclosed is a copy of the above referenced application which was filed today in our office by Sunco Trucking. Please keep this for your information and records.

Sincerely,

Mary

Mary Killian
Secretary

Enclosure

mjk

RECEIVED

Form 97 2M 10-70

MAR 27 1985

TEMPORARY

APPLICATION TO APPROPRIATE WATER STATE OF UTAH

Application No. 56 63 46 T 60728

09-1415

RECEIVED

DIVISION OF OIL AND GAS MINING

NOTE: The information given in the following blanks should be free from explanatory matter, but when necessary, a complete explanation should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, 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.

- 1. Irrigation Domestic Stockwatering Municipal Power Mining Other Uses

2. The name of the applicant is Sunco Trucking

3. The Post Office address of the applicant is P.O. Box 906 Cortez, Colorado 81321

4. The quantity of water to be appropriated _____ second-feet and/or 1.0 acre-feet

5. The water is to be used for Exploration Drilling from March 13, 1985 to April 30, 1985

other use period _____ from _____ to _____

and stored each year (if stored) from _____ to _____

6. The drainage area to which the direct source of supply belongs is _____ (Leave Blank)

7. The direct source of supply is* Underground water - Well (Name of stream or other source)

which is tributary to _____, tributary to _____

*Note.-Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in San Juan County, situated at a point* S. 553 ft. & E. 2261 ft. from NW Cor. Sec. 27, T40S, R23E, SLB&M.

(3 miles NW of Montezuma Creek) Montezuma Creek Quad

*Note.-The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of Water will be drawn from the well and hauled by truck to the place of use

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____ area inundated in acres _____ legal subdivision of area inundated _____

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows: _____

_____ Total _____ Acres

12. Is the land owned by the applicant? Yes _____ No X If "No," explain on page 2. BLM

13. Is this water to be used supplementally with other water rights? Yes _____ No X If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. _____

15. If application is for mining, the water will be used in _____ Mining District at the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered _____

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses Re-entry into Mountain States Resources Federal 1-25

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. N. 2139 ft. & W. 1220 ft. from SE Cor. Sec. 25, T40S, R22E, SLB&M.

21. The use of water as set forth in this application will consume 1.0 second-feet and/or acre-feet of water and _____ second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows: _____

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Signature of Applicant: Jeff B. Clark

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF Colorado, County of... ss

On the 20th day of March, 1985, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:

Signature of Notary Public: Shirley Denison, Notary Public 9-26-86

(SEAL)



STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No.
 Federal Lease No. U-46712
 Indian Lease No.
 Fee & Pat.

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE STATE OF UTAH COUNTY SAN JUAN FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
March, 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 S.Main Signed _____
Monticello, Utah 84535-0157 Title S. J. Monteban - President
 Phone No. (801)587-2424

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	<u>25</u> <u>1</u>	0	0	0	0	0	0	API#43-037-30823 Remarks: Preparing to rework and redrill.....

RECEIVED
 APR 29 1985
 DIVISION OF OIL
 GAS & MINING

GAS: (MCF)
 Sold -0-
 Flared/Vented -0-
 Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month -0-
 Sold during month -0-
 Unavoidably lost -0-
 Reason:
 On hand at end of month 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED IN DUPLICATE.*

Note: The API number must be listed on each well.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE OF UTAH COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
April, 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law Company MONTICELLO STATES RESOURCES, INC.
Box 157 - 132 S. Main Signed _____
Monticello, Utah 84535-0157 Title J. V. Montalban - President
 Phone No. (801)587-2424

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	<u>25</u> <u>1</u>	0	0	0	0	0	0	API#43-037-30823 RECEIVED MAY 28 1985 DIVISION OF OIL GAS & MINING Remarks: Completing after rework and production testing.

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ -0-
 Used On/Off Lease _____ -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month _____ 130.30
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month _____ 130.30

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. *THIS REPORT MUST BE FILED IN DUPLICATE.*

Note: The API number must be listed on each well.

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 533-5771

State Lease No. _____
 Federal Lease No. U-46712
 Indian Lease No. _____
 Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE OF UTAH COUNTY San Juan FIELD/LEASE Turner Bluff Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
May, 19 85

Agent's Address F. Bennion Redd, Attorney-at-Law Company MOUNTAIN STATES RESOURCES, INC.
Box 157 - 132 So. Main Signed _____
Monticello, Utah 84535-0157 Title J.V. Montalban, President
 Phone No. (406)873-2235

Sec. and % of %	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NESE Sec. 25	40S	22E	25- 1X	28	477.68	46	-0-	-0-	181	API#43-037-30823 Remarks: Completion and rework completed, back on production 7:PM, on May 3/85.

GAS: (MCF)
 Sold -0-
 Flared/Vented -0-
 Used On/Off Lease -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 130.30
 Produced during month 477.68
 Sold during month 552.10
 Unavoidably lost Reason: Shipping shrinkage 3.05
 On hand at end of month 52.83

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

MOUNTAIN STATES RESOURCES, INC.

Operations Office — CBM Building

P. O. Box 176 — Cut Bank, Montana 59427

Phone (406) 873-2235

RECEIVED

JUL 30 1985

**MINUTE
MEMO**

TO: STATE OF UTAH
Department of Natural Resources
Division of Oil & Gas Conservation
4241 State Office Building
Salt Lake City, Utah 84114

**DIVISION OF OIL
GAS & MINING**

Date: July 20, 1985

Subject: Lease #U-46712
Turner Bluff Field
San Juan County, Utah
MSR/FED.#25-1X Well

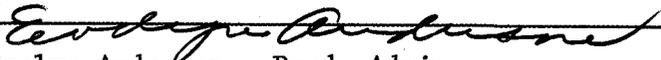
Gentlemen:

Enclosed herewith please find our Form DOGC-4 Report
of Operations and Well Status Report for the above captioned lease
for the month of June 1985 in triplicate. Kindly return one copy
stamped "Received" for our files.

Thank you

Sincerely,

MOUNTAIN STATES RESOURCES, INC.


Evelyn Anderson - Prod. Admin.

MOUNTAIN STATES RESOURCES, INC.

Operations Office — CBM Building

P. O. Box 176 — Cut Bank, Montana 59427

Phone (406) 873-2235

**MINUTE
MEMO**

TO: STATE OF UTAH/NATURAL RESOURCES

Date: October 7, 1985

Oil, Gas & Mining

Subject Form 9-330; Well Completion

355 West North Temple/3 Triad Center, Suite 350

or Recompletion Reports

Salt Lake City, UT 84180-1203

Dear Sir or Madam:

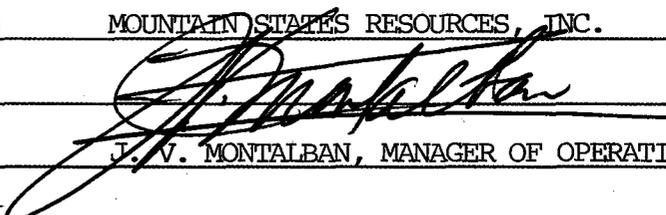
Please find enclosed three (3) additional copies of Form 9-330 originally mailed to your office on October 1, 1985. If you have any further questions please feel free to contact our office.

Sincerely,

RECEIVED

MOUNTAIN STATES RESOURCES, INC.

OCT 10 1985


J. V. MONTALBAN, MANAGER OF OPERATIONS

JVM:nf

DIVISION OF OIL
GAS & MINING

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6

9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

RE-Entry
OCT 10 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-46712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

D/N/A

7. UNIT AGREEMENT NAME

D/N/A

8. FARM OR LEASE NAME

M.S.R. Federal

9. WELL NO.

25-1

10. FIELD AND POOL, OR WILDCAT

Turner Blue Undesignated

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

Sec. 25, T40S, R22E, S1M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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 STATES RESOURCES, INC.

DIVISION OF OIL
GAS & MINING

3. ADDRESS OF OPERATOR
P.O. Box 1995, CBM Bldg., Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface
NE 1/4 SE 1/4 Sec. 25, 2139' FSL & 1220' FEL
At top prod. interval reported below

At total depth
NE 1/4 SE 1/4 Sec. 25, 1837' FSL & 1313' FEL

14. PERMIT NO. 43-037-30823 | DATE ISSUED 2-07-85

15. DATE SPUNDED 3-11-85 | 16. DATE T.D. REACHED 4-01-85 | 17. DATE COMPL. (Ready to prod.) 5-03-85 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4376' KB | 19. ELEV. CASINGHEAD 4362' GL

20. TOTAL DEPTH, MD & TVD 5506' KB TVD | 21. PLUG BACK T.D. MD & TVD 5453' KB TVD | 22. IF MULTIPLE COMPL., HOW MANY* D/N/A | 23. INTERVALS DRILLED BY → | 24. ROTARY TOOLS 1166' KB-TD | 25. CABLE TOOLS D/N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Ismay 5396'-5400' KB MD | 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-DC/CNL GR-DIL/SFL GR-CBL/CCL perf logs mud | 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
4 1/2"	10.5, 11.6	5616' KB	7 7/8"	200 sx Cl. H	

29. LINER RECORD | 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5378' KB	5346' KB (AC)

31. PERFORATION RECORD (Interval, size and number)
Ismay 5396'-5400' KB
4 JSPF, 0.50" Hole

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5396'-5400' KB	2250 gal. 15% FE-HCl

33.* PRODUCTION

DATE FIRST PRODUCTION 5-04-85 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping (3200 Lufkin) | WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-26-85	24	D/N/A	→	10.5	TSTM	4	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
D/N/A	20 psig	→				45.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Fuel use on lease. | TEST WITNESSED BY Reno N. Roncco

35. LIST OF ATTACHMENTS
Directional Survey

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

SIGNED [Signature] TITLE Manager of Operations | DATE 8/6/85

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.)

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

FORMATION	TOP	MID	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Shinarump	1940'	KB		
DeChelly	2189'	KB		
Organ Rock	2334'	KB		
Cutler	2894'	KB		
Hermosa	4311'	KB		
Ismay	5257'	KB		
Desert Crk.	5476'	KB		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

PARTIAL DIRECTIONAL SURVEY RECORD

<u>MD</u>	<u>INCLINATION</u>	<u>HOLE DIRECTION</u>	<u>COURSE LENGTH</u>	<u>TVD</u>	<u>COORDINATES</u>	
					<u>SOUTH</u>	<u>WEST</u>
3305'	14.25	S9W	86	3264'	60.4	18.6
3425'	13.75	S9W	120	3381'	73.0	22.5
3521'	11.50	S8W	96	3474'	83.1	25.7
3568'	11.25	S8W	47	3521'	88.0	27.2
3630'	10.75	S8W	62	3581'	94.5	29.2
3661'	10.25	S8W	31	3612'	97.7	30.2
3755'	11.25	S9W	94	3704'	107.6	33.3
3816'	12.00	S9W	61	3764'	114.0	35.3
3878'	12.75	S9W	62	3824'	120.5	37.3
3941'	13.25	S9W	63	3885'	127.1	39.4
4002'	14.00	S9W	61	3945'	133.5	41.4
4065'	14.50	S9W	63	4006'	140.1	43.5
4097'	14.50	S9W	32	4037'	143.4	44.6
4163'	14.75	S9W	66	4101'	150.3	46.8
4255'	14.75	S9W	92	4190'	160.0	49.8
4350'	15.00	S9W	95	4282'	169.9	52.9
4444'	15.50	S9W	94	4373'	179.8	56.0
4538'	15.00	S9W	94	4463'	189.6	59.1
4631'	14.50	S8W	93	4553'	199.3	62.1
4724'	14.50	S8W	93	4643'	209.1	65.2
4849'	14.25	S9W	125	4764'	222.2	69.3
4946'	14.50	S9W	97	4858'	233.7	72.5
5068'	14.00	S9W	122	4977'	246.5	76.5
5131'	13.50	S8W	63	5038'	253.1	78.6
5198'	13.50	S8W	67	5103'	260.1	80.8
5260'	14.50	S9W	62	5163'	266.6	82.8
5320'	15.50	S9W	60	5221'	272.9	84.7
5352'	16.00	S9W	32	5252'	276.3	85.7
5413'	17.00	S9W	61	5310'	282.7	87.7
5452'	17.00	S9W	39	5348'	285.5	88.0
5516'	16.50	S9W	64	5409'	292.2	90.0
5607'	16.00	S9W	91	5496'	301.7	93.0
5617'	16.00	S9W	10	5506'	302.7	93.3

BEST COPY AVAILABLE

IT IN DUPL. E*
e other instruct
on reverse side)

Rec'd MDO FEB 4 1985
56 64 01

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

RECEIVED

OCT 28 1985

DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-46712
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
D/N/A
7. UNIT AGREEMENT NAME
D/N/A
8. FARM OR LEASE NAME
M.S.R. Federal
9. WELL NO.
25-1
10. FIELD AND POOL, OR WILDCAT
~~Turner Bluff Undesignated~~
11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 25, T40S, R22E, S1M

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 STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR
CBM Bldg. - P.O. Box 1995 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
NE 1/4 SE 1/4 Sec. 25, 2139' FSL and 1220' FEL
At top prod. interval reported below
Same
At total depth
Same

14. PERMIT NO. 43-037-30823 | DATE ISSUED 10-06-82

12. COUNTY OR PARISH San Juan | 13. STATE Utah

15. DATE SPUDDED 9-23-83 | 16. DATE T.D. REACHED 10-05-83 | 17. DATE COMPL. (Ready to prod.) 11-14-83 | 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 4376' KB | 19. ELEV. CASINGHEAD 4362' GL

20. TOTAL DEPTH, MD & TVD 5526' KB | 21. PLUG, BACK T.D., MD & TVD 5462' KB | 22. IF MULTIPLE COMPL., HOW MANY* D/N/A | 23. INTERVALS DRILLED BY → Surf. - TD | ROTARY TOOLS | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
~~Desert Creek~~ Top 5364' KB Bottom 5472' KB
Ismay
25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-FDC/CNL GR-DIL/LL GR-CBL/CCL | 27. WAS WELL CORDED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	38'	28"	70 sx	
14"	48#	72'	18"	70 sx	
8 5/8"	24#	1358'	12 1/4"	908 sx	
5 1/2"	15.5#	5502'	7 7/8"	150 sx	

29. LINER RECORD | 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5436' KB	5363' KB (AC)

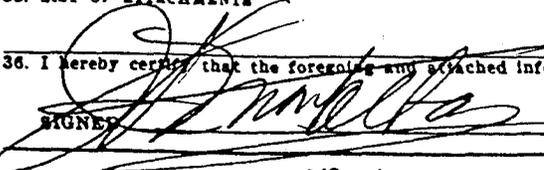
31. PERFORATION RECORD (Interval, size and number)
Desert Creek 5424'-5432' KB
2 JSPF, 0.37"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 5424-5432' KB
AMOUNT AND KIND OF MATERIAL USED 4500 gal. 28% FE-HCl

33. PRODUCTION
DATE FIRST PRODUCTION 11-19-83 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping (160C Hellstar) | WELL STATUS (Producing or shut-in) Shut-in
DATE OF TEST 1-10-84 | HOURS TESTED 24 | CHOKER SIZE D/N/A | PROD'N. FOR TEST PERIOD → | OIL—BSL. 3 | GAS—MCF. TSTM | WATER—BSL. 8 | GAS-OIL RATIO
FLOW, TUBING PRESS. D/N/A | CASING PRESSURE 10 psig | CALCULATED 24-HOUR RATE → | OIL—BSL. | GAS—MCF. | WATER—BSL. | OIL GRAVITY-API (CORR.) 42

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Fuel use on lease | TEST WITNESSED BY Reno N. Roncco

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED  TITLE Manager of Operations DATE

*(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.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP
					NEAR. DEPTH
					TRUE VERT. DEPTH
			No Cores or DST'S		



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

June 25, 1986

Mountain States Resources, Inc.
P.O. Box 176, CBM Building
Cut Bank, Montana 59427

Gentlemen:

Re: Well No. M.S.R. Federal #25-1 - Sec. 25, T. 40S, R. 22E
San Juan County, Utah - API No. 43-037-30823

A review of our records indicates that a copy of the GR-CBL/CCL log, which was run on the referenced well as indicated on the Well Completion Report dated October 7, 1985 has not been received.

Rule 312, Oil and Gas Conservation General Rules, requires that copies of the well logs be submitted within 90 days of well completion.

Please provide a copy of the required log at your earliest convenience, but not later than July 18, 1986.

Respectfully,

A handwritten signature in cursive script, appearing to read 'Norman C. Stout'.

Norman C. Stout
Administrative Assistant

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

0413/7



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

July 18, 1986

RETURNED RECEIPT REQUESTED
P 168 903 944

2nd NOTICE

Mountain States Resources, Inc.
P.O. Box 176, CBM Building
Cut Bank, Montana 59427

Gentlemen:

Re: Well No. M.S.R. Federal #25-1 - Sec. 25, T. 40S, R. 22E
San Juan County, Utah - API No. 43-037-30823

A review of our records indicates that a copy of the GR-CBL/CCL log, which was run on the referenced well as indicated on the Well Completion Report dated October 7, 1985 has not been received.

Rule 312, Oil and Gas Conservation General Rules, requires that copies of the well logs be submitted within 90 days of well completion.

Please provide a copy of the required log at your earliest convenience, but not later than August 4, 1986.

Respectfully,

Norman C. Stout
Administrative Assistant

ts

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

0413/7



081814

MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM Building - Box 1995 - Cut Bank, Montana 59427-1995 - (406) 873-2235

RECEIVED

JUL 31 1986

July 23, 1986

**DIVISION OF OIL
& GAS & MINING**

State of Utah
Natural Resources
355 W. North Temple
3 Triad Center Ste. 350
Salt Lake City, UT 84180-1203

Attn: Norman C. Stout
Administrative Assistant

Re: Well No. MSR Federal #25-1
Sec. 25, T40S, R22E
San Juan County, Utah
API No. 43-037-30823

Dear Mr. Stout:

This will acknowledge receipt of your letter of July 18, 1986, in which you requested a copy of the GR-CBL/CCL log for the above captioned well. We are pleased to enclose a copy of this log for your records.

If we can be of anyother assistance, please do not hesitate to contact our office.

Trusting you will find all in order, we remain

Very truly yours,

MOUNTAIN STATES RESOURCES, INC.

Patrick M. Montalban - Vice-Pres.
Exploration & Production

PMM:jb
encs:



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 250 - Cut Bank, Montana 59427-0250 - (406) 873-2235

December 20, 1989

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Annual Reports of Shut-In Wells
M.S.R. Federal 25-1X, Morris Nelson 6-11, Redd Investment 11-1,
and Edris Calvert No. 1 - San Juan County, Utah

Gentlemen:

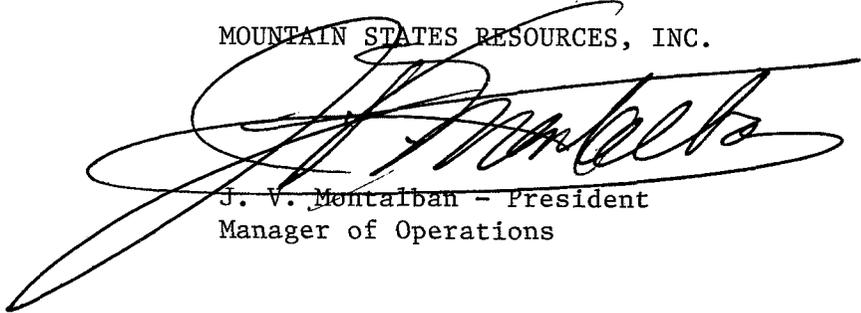
Reference your letter of December 1, 1989 to Utah oil and gas well operators regarding annual well status reports.

Please find enclosed a Form 9 for each of the above captioned wells, reporting their status as shut-in oil or gas wells.

Trusting you will find everything in order, I remain

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.



J. V. Montalban - President
Manager of Operations

JVM/rr

Enclosures

cc: BLM - Moab
BLM - SLC

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

9

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.)

RECEIVED
JAN 12 1990

5. LEASE DESIGNATION & SERIAL NO. U-46712

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME M.S.R. Federal

9. WELL NO. 25-1X

10. FIELD AND POOL, OR WILDCAT Turner Bluff

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T40S, R22E, S.L.M.

12. COUNTY San Juan

13. STATE Utah

14. API NO. 43-037-30823

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4376' KB

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR MOUNTAIN STATES RESOURCES, INC.

3. ADDRESS OF OPERATOR P.O. Box 250 - Cut Bank, Montana 59427

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 2139' FSL & 1220' FEL, Sec. 25
At proposed prod. zone 1837' FSL & 1313' FEL, Sec. 25

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) Annual Status Report <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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.)

* Must be accompanied by a cement verification report.

Mountain States Resources, Inc., Operator of the M.S.R. Federal 25-1X, requests approval to continue shut-in status for the well. The well is shut-in under stripper and marginal well regulations and it continues to be uneconomical to produce at current oil prices.

OIL AND GAS	
DRN	R/F
1-JRB ✓	GLH
DTS	SLS
2-TAS ✓	
3-MICROFILM ✓	
4-FILE	

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

SIGNED [Signature] TITLE President DATE December 20, 1989
M. V. Montalban
 (This space for Federal or State office use)

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



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS
CBM Building - Box 250 - Cut Bank, Montana 59427-0250 - (406) 873-2235

February 29, 1992

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Annual Status Reports of Shut-In Wells
M.S.R. Federal 25-1X and Edris Calvert 1
San Juan County, Utah

Gentlemen:

Reference your letter of December 6, 1991 to Utah oil and gas well operators regarding annual well status reports.

Please find enclosed a Form 9 (OGC-1b) for each of the above captioned wells, reporting their status as shut-in oil or gas wells.

If additional information is required, please advise.

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

Patrick M. Montalban
President

rr

Enclosures

RECEIVED

MAR 09 1992

DIVISION OF
OIL GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-46712
2. NAME OF OPERATOR MOUNTAIN STATES RESOURCES, INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 250 - Cut Bank, Montana 59427		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2139' FSL & 1220' FEL, Sec. 25		8. FARM OR LEASE NAME M.S.R. Federal
14. PERMIT NO. (API) 43-037-30823	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 4376' KB	9. WELL NO. 25-1X
		10. FIELD AND POOL, OR WILDCAT Turner Bluff
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T40S, R22E, S.L.M.
		12. COUNTY OR PARISH 13. STATE San Juan Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) <u>Annual Status Report</u>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Mountain States Resources, Operator of the M.S.R. Federal 25-1X, plans to plug and abandon the well in 1992. The well is currently shut-in and is not capable of production in paying quantities.

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MAR 09 1992
DIVISION OF
OIL GAS & MINING

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

SIGNED Patrick M. Montalban TITLE President DATE 02-19-92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



MOUNTAIN STATES RESOURCES, INC.

A Subsidiary of MSR Exploration Ltd.

OIL & GAS EXPLORATION & PRODUCTION
OPERATING IN THE ROCKY MOUNTAINS

CBM BUILDING - BOX 250 - CUT BANK, MONTANA 59427-0250
TELEPHONE (406) 873-2235 FAX 406-873-4731

February 23, 1993

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Annual Status Reports of Shut-In Wells
M.S.R. Federal 25-1X and Edris Calvert 1
San Juan County, Utah

Dear Mr. Staley:

Reference your letter of December 4, 1992 to Utah oil and gas well operators regarding annual well status reports.

Please find enclosed a Form 9 for each of the above captioned wells, reporting their status as temporarily abandoned and shut-in oil or gas wells.

If additional information is required, please advise.

Yours very truly,

MOUNTAIN STATES RESOURCES, INC.

Reno N. Roncco

Reno N. Roncco
Petroleum Engineer

RNR/s

Enclosures

RECEIVED

FEB 26 1993

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

U-46712

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

M.S.R. Federal 25-1X

9. API Well Number:

43-037-30823

10. Field and Pool, or Wildcat:

Turner Bluff

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:

MOUNTAIN STATES RESOURCES, INC.

3. Address and Telephone Number:

P.O. Box 250 - Cut Bank, Montana 59427 (406) 873-2235

4. Location of Well

Footages: 2139' FSL & 1220' FEL

QQ, Sec., T., R., M.: NE 1/4 SE 1/4 Section 25, T40S, R22E, S.L.M.

County: San Juan

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other Annual Status Report
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other _____
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Mountain States Resources, Inc., Operator of the M.S.R. Federal 25-1X, will plug and abandon the well by April 12, 1993. The well is currently temporarily abandoned and is not capable of production in paying quantities.

13.

Name & Signature: Reno N. Roncco

Title: Petroleum Engineer

Date: 02-23-93

(This space for State use only)

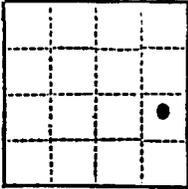
RECEIVED

FEB 26 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 25
T. 40 S.
R. 22 E.
SLB& Mer.
API# 43-037-30823
Ref. No. _____



INDIVIDUAL WELL RECORD

PUBLIC LAND:

Date February 13, 1986

Land office Utah State Utah
Serial No. 46712 County San Juan
Lessee Mountain States Resources, Inc. Field Turner Bluff
Operator Mountain States Resources, Inc. District Moab
Well No. M.S.R. Federal 25-1X Subdivision NESE

Location 2139' FSL and 1220' FEL
Redrilling Drilling approved February 7, 1985 Well elevation 4376 KB feet
Drilling commenced March 11, 1985 Total depth 5617 KB; 5562 PB/KB feet
Drilling ceased April 1, 1985 Initial production 10.5 BOPD
Completed for production May 3, 1985 Gravity A. P. I. 45.50
Abandonment approved NOI to PTA approved 3/13/92 11/7/93, 19 Initial R. P. CP 20 psi

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depth	Contents
<u>Entrada</u>	<u>Desert Creek</u>	<u>Ismay</u>	<u>5396' - 5400'</u> (Selective)	<u>Oil</u>

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1983									SPUD 9/23		OSI 11/19	
1985					Comm. Prod. 5/6							
1986		2/22/86 OSI										
1990				TA approved 4/27/90								
1991			NOI PTA 3/13/92									
1993												

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JUN 14 1993

DIVISION OF
OIL & GAS

REMARKS: Geologic Markers: Entrada - Surface; Desert Creek - 5476'; Shinarump - 1940'; DeChelly - 2189'; Cutler - 2894'; Ismay - 5257'

Casing Record: 4-1/2" @ 5616' w/200 sxs CL.H

U-922

