

# FILE NOTATIONS

Entered in NID File ✓  
Entered On S R Sheet ✓  
Location Map Pinned ✓  
Card Indexed ✓  
IWR for State or Fee Land       

Checked by Chief PMB  
Copy NID to Field Office ✓  
Approval Letter         
Disapproval Letter       

## COMPLETION DATA:

Date Well Completed 5-25-63

GW        WW ✓ TA       

BW        CE        PA ✓

Location Inspected         
Band released         
State of Fee Land       

## LOGS FILED

Driller's Log 6-18-63

Electric Log (No. ) 3

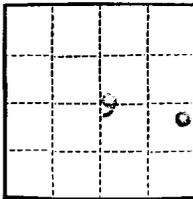
E        L        B.I. (B) GR        GR-N        Micro         
Lat.        Mi-L        Sonic ✓ Others Temperature Log (R)

THIS WELL WAS TURNED OVER TO THE BUREAU  
OF LAND MANAGEMENT FOR USE AS A WATER  
WELL: ::::::::::::::::::::::::::::::::::::::

Form 9-331a  
(Feb. 1951)

*Supp. H. L. G.*  
(SUBMIT IN TRIPLICATE)

Land Office Utah  
Lease No. 017652  
Unit Lease



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

|   |                                     |   |  |
|---|-------------------------------------|---|--|
| NOTICE OF INTENTION TO DRILL.....                   | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |  |
| NOTICE OF INTENTION TO CHANGE PLANS.....            |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     |                                     | SUBSEQUENT REPORT OF ALTERING CASING.....       |  |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... |                                     | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        |                                     | SUBSEQUENT REPORT OF ABANDONMENT.....           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    |                                     | SUPPLEMENTARY WELL HISTORY.....                 |  |
| NOTICE OF INTENTION TO ABANDON WELL.....            |                                     |   |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 April 2, 1963

Well No. 1 is located <sup>170'</sup> 2310 ft. from S line and <sup>70'</sup> 330 ft. from E line of sec. 9

NE NE SE sec. 9 34S 10W S. L. B. & M.  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Little Salt Lake WC Iron Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is to follow ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We would like permission to drill the subject well to an approximate depth of 11,800', at which depth the well will be bottomed in formations of Mississippian age. Anticipated formation tops are as follows: Kaiparowits at surface, Straight Cliffs-Wahweap 40', Tropic 1182', Dakota 1862', Winsor 2292', Curtis 2473', Entrada 2616', Carmel 2773', Navajo 3223', Chinle 4323', Shinarump 6273', Moenkopi 6348', Kaibab 7772', Toroweap 8250', Coconino-Supai 8535', Callville 10,338', and Redwall 11,008'. We will run and cement to surface about 160' of Armo 20" OD 66.56#, spiral weld, slip joint casing as conductor casing. In anticipation of lost circulation, the well will be drilled to about 4300' and if no lost circulation is encountered to this depth, a surface string of 13-3/8" OD, 48#, E-40, 8rmd thd ST&C casing will be run to about 600'. Drilling will then be resumed to total depth of 11,800'.

(over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

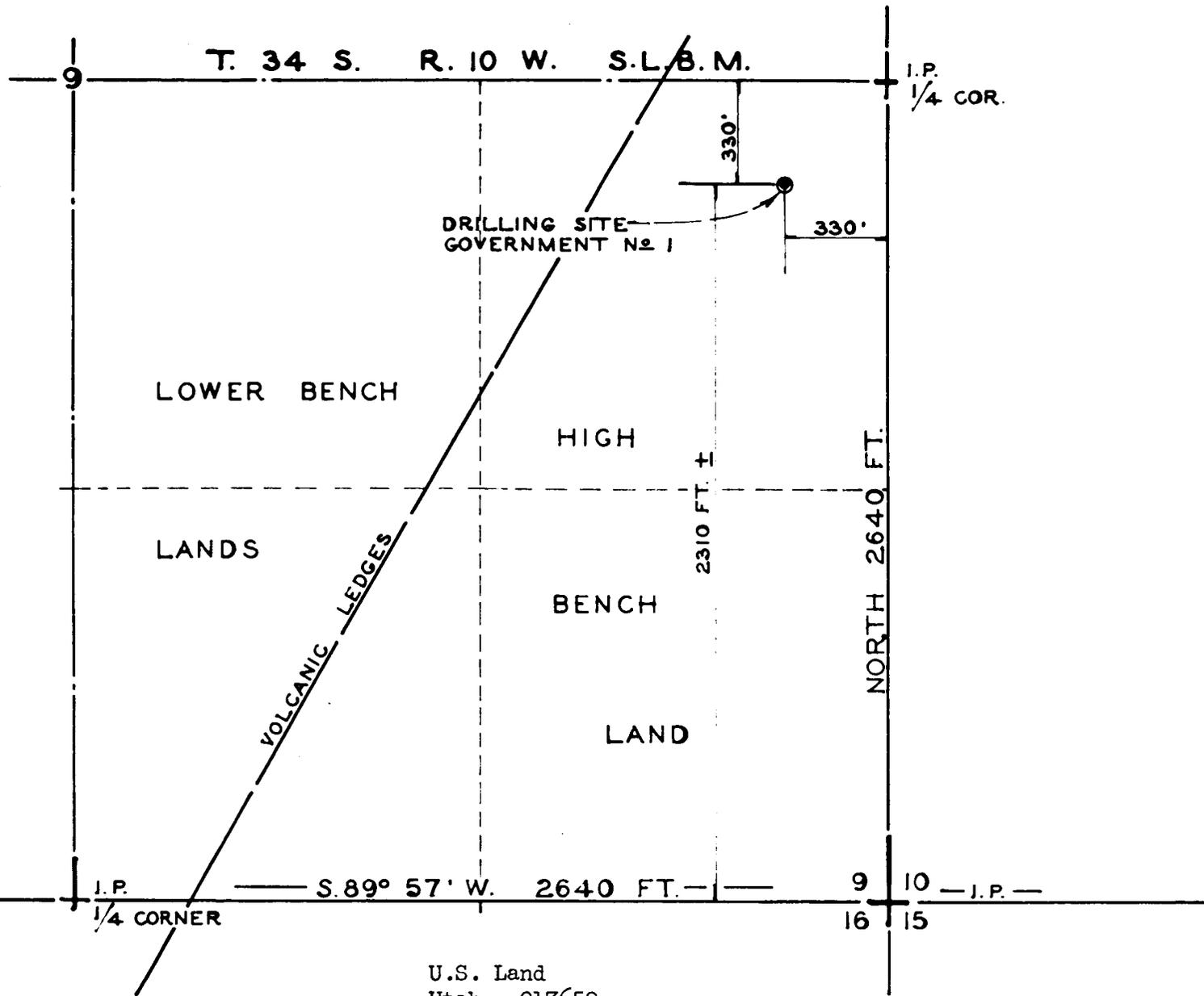
Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By B. W. Croft

Title General Manager, Producing and Pipeline Divisions



U.S. Land  
Utah - 017652

**RALPH B. PLATT**  
REGISTERED ENGINEER AND LAND SURVEYOR

MOUNTAIN FUEL  
SUPPLY COMPANY

DATE: MARCH 26/63

SCALE: 1 IN. TO 500 FT.

SE 4 SEC. 9-34-10 - IRON CO.



CMB

# SKYLINE OIL COMPANY

ATLAS BUILDING  
SALT LAKE CITY 1, UTAH

April 4, 1963

Utah Oil and Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Gentlemen:

We have been advised by Mountain Fuel Supply Company that for topographic reasons they are unable to locate their proposed test well to be drilled in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, Township 34 South, Range 10 West, S. L. M., at least 500 feet from the legal subdivision line.

Please be advised that Skyline Oil Company, which owns an interest in United States Oil and Gas Lease Serial No. U-017652 which covers the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of said Section 9, has no objection to your approving the proposed location for this well, which is as follows:

2310 feet from the South line  
and 330 feet from the East line of  
Section 9, T. 34 S., R. 10 W.,  
S. L. M., Utah.

If you require any further information concerning this matter, please so advise us.

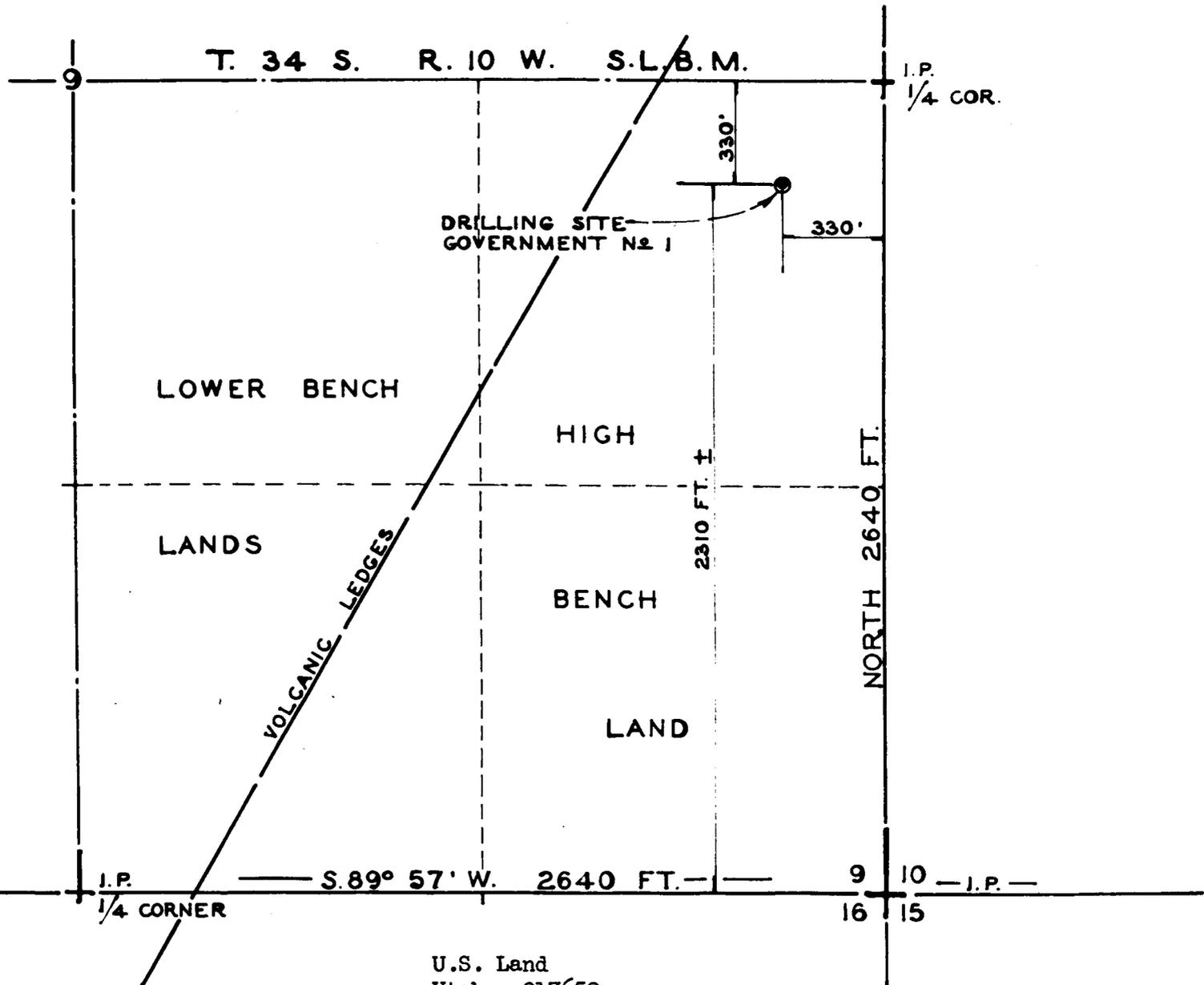
Very truly yours,



Max D. Eliason  
Land Manager

cc: Mountain Fuel Supply Company  
180 East First South  
Salt Lake City, Utah

Attention: Mr. Jack L. Healey



**RALPH B. PLATT**  
REGISTERED ENGINEER AND LAND SURVEYOR

MOUNTAIN FUEL  
SUPPLY COMPANY

DATE: MARCH 26/63

SCALE: 1 IN. TO 500 FT.

SE 4 SEC. 9-34-10 - IRON CO.

CAMP

PWA

# MOUNTAIN FUEL SUPPLY COMPANY

180 EAST FIRST SOUTH STREET  
TELEPHONE DAVIS 8-8315

**SALT LAKE CITY 10, UTAH**

L. W. FOLSOM  
MANAGER, EXPLORATION DIVISION

April 5, 1963

Utah Oil and Gas Conservation Commission  
310 Newhouse Building, 10 Exchange Place  
Salt Lake City, Utah

Attention: Mr. Paul W. Burchell

Gentlemen:

Government Well No. 1  
Little Salt Lake Area  
Iron County, Utah

Pursuant to our proposed location in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 9, Township 34 South, Range 10 West, S.L.M., Little Salt Lake Area, Iron County, Utah, the following geologic reasons are presented to justify the proposed location at 2310 feet from the south line and 330 feet from the east line of Section 9, Township 34 South, Range 10 West, S.L.M., Utah, which location will be less than 500 feet from a legal subdivision line as set forth in Rule C-3(b) of the General Rules and Regulations of the Oil and Gas Conservation Commission.

To the west of the proposed location, the ground elevation rises to a 200 foot high vertical basalt cliff at about 600 feet from the proposed location. This cliff is broken basalt at least 200 feet thick. The basalt thins eastward to about zero feet thick at the east line of Section 9. A location to the west of that proposed would place the well in a thicker broken basalt section, and there would be a much greater risk of lost circulation difficulties during the drilling at shallow depths in the well. There would be a great deal of risk that the drilling fluid would follow breaks and fractures in the basalt and flow laterally westward out the cliff face. Moreover, drilling of a basalt section of this thickness would cause drilling difficulties other than the lost circulation which could be expected.

We are enclosing a location plat for the subject well which shows the proposed location in relation to the basalt volcanic ledges mentioned above.

The well being drilled is on an oil and gas lease bearing Serial No. U-017652 which is owned by Skyline Oil Company and on which Mountain Fuel Supply Company will earn certain interests for drilling thereon. The other acreage surrounding this lease is owned solely by Mountain Fuel Supply Company. Skyline Oil Company will advise you that they have no objections to your approving the proposed location for this well.

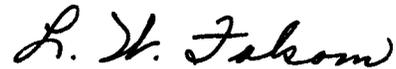
Utah Oil and Gas Conservation  
Commission

- 2 -

April 5, 1963

For the reasons stated, we respectfully request the approval of the Oil and Gas Conservation Commission to grant an exception to the requirements of Rule C-3(b) to allow us to drill the well at the proposed location.

Very truly yours,



L. W. Folsom

LWF:dgk

cc: Mr. Max D. Eliason  
Skyline Oil Company  
Atlas Building  
Salt Lake City 1, Utah

April 8, 1963

Mountain Fuel Supply Company  
P. O. Box 1129  
Rock Springs, Wyoming

Attention: B. W. Croft, General Manager

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Little Salt Lake Government #1, which is to be located 2310 feet from the south line and 330 feet from the east line of Section 9, Township 34 South, Range 10 West, SLEM, Iron County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHILL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890  
Salt Lake City, Utah

This approval terminates within 90 days if the above well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X which is to be completed if water sands (aquifers) are encountered while drilling, particularly

Mountain Fuel Supply Company  
Well No. Little Salt Lake Gov't #1

-2-

April 8, 1963

assessable for near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLYDE B. FREIGHT  
EXECUTIVE DIRECTOR

CBF:cnp

cc: Don Russell, Dist. Eng.,  
USGS, Salt Lake City, Utah

H. L. Coonts, Pet. Eng.,  
OGCC, Moab, Utah

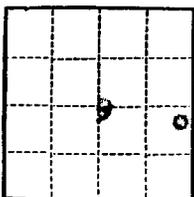
Encl. (Forms)

Form 9-531a  
(Feb. 1961)

*Copy H. L. E.*

(SUBMIT IN TRIPLICATE)

Land Office Utah  
Lease No. 017652  
Unit Lease



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |    |
|---|---|----|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |    |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |    |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |    |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |    |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |    |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 | XX |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |    |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 April 29, 1963

Well No. 1 is located 2310 ft. from DN line and 330 ft. from E line of sec. 9

NE NE SE sec. 9 348 10W S. L. B. & M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Little Salt Lake Area Iron Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~ground~~ <sup>ground</sup> above sea level is 6112.91 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The subject well is currently drilling at a depth of 209', using an 8-3/4" bit with hammer drill, and using air as a circulating medium. This well was spudded on April 24, 1963. At a depth of 160', 4 jts. and 1 pc. of 20" OD, 0.312" wall, X-42 line pipe, measuring 138.58' net, 139.69' gross, was run into the well as conductor pipe and cemented with 440 sacks Portland cement. The pipe was landed at 156.78' KBM. Good mud returns were obtained and had good cement returns to surface until after 22 barrels of water displacement had been made, at which time cement returns were lost. After waiting on cement about 20 hours, installed two 1" lines outside of conductor to top of cement at about 36' KBM and using Halliburton equipment, pumped in 48 sacks Portland cement, returning 1 barrel cement to surface. Pressure tested BOP and pipe about 20 times, but could not get conductor pipe to hold pressure test. Surface equipment held good. Resumed drilling.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By B. W. Coyle

Title General Manager, Producing and Pipeline Divisions

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE .....  
LEASE NUMBER .....  
UNIT Little Salt Lake  
Area

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Iron Field Little Salt Lake

The following is a correct report of operations and production (including drilling and producing wells) for the month of APR 1963, 19    ,

Agent's address P. O. Box 989 Company MOUNTAIN FUEL SUPPLY COMPANY

SALT LAKE CITY, UTAH

Signed J. L. Neely

Phone 328-8315

Agent's title DIVISIONAL CHIEF ACCOUNTANT

| 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) | REMARKS (If drilling, depth; if shut down cause; date and result of test for gasoline content of gas) |
|----------------------|----------|-----------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|---|
| <b>NE<br/>NE, SE</b> | <b>9</b> | <b>34</b> | <b>1</b> | <b>1</b>      |                |         |                               |                               |                                      | <b>Spudded 4/24/63<br/>April 30, 1963<br/>Drilling at 258'</b>  |

NOTE.—There were..... runs or sales of oil; ..... M cu. ft. of gas sold;

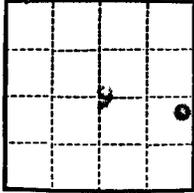
..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-231a  
(Feb. 1961)

*Copy H. L. E.*

Budget Bureau No. 42-R358.4.  
Form Approved.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 017652  
Unit Lease

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |           |
|---|---|-----------|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |           |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |           |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |           |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |           |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 | <b>XX</b> |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |           |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 May 7, 19 63

Well No. 1 is located 230 ft. from NS line and 330 ft. from E line of sec. 9

NE NE SE sec. 9  
(¼ Sec. and Sec. No.)

348  
(Twp.)

10W  
(Range)

E. L. B. & M.  
(Meridian)

Little Salt Lake area  
(Field)

Iron  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 6127.51 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The subject well is drilling at a depth of 1543', using air as a circulating medium. Air is being used at the rate of 2,677 Mcf per day with a surface standpipe pressure of 300 psig.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Company,

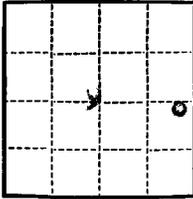
Address P. O. Box 1129

Rock Springs, Wyoming

By B. W. Craft

Title General Manager, Producing and Pipeline Divisions

Form 9-331a  
(Feb. 1961)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 017652  
Unit Little Salt Lake Area  
(not unitized)

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |    |
|---|---|----|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |    |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |    |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |    |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |    |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |    |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 | XX |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |    |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 May 13, 1963

Well No. 1 is located 2310 ft. from SW line and 330 ft. from E line of sec. 9  
 NE NE SE sec. 9 34S 10W S. L. B. & M.  
 (¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Little Salt Lake area Iron Utah  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6127.51 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The subject well is drilling at a depth of 3105', using 3801 Mcf circulating air at a pressure of 590 psig. Surging air returns to surface, no dust. Fluid level has remained constant in well at 500' KBM. Injecting 9 barrels of water per hour in which is mixed 3 gallons Synfoam (detergent), 10#, lime, and 2 gallons corrosion inhibitor. No fluid returns were obtained at the end of the flare line until 5:15 a.m. this date, at which time the well started unloading foam and water.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Company

Address P. O. Box 1129  
Rock Springs, Wyoming

By B. W. Loft

Title General Manager, Producing and Pipeline Divisions

**May 15, 1963**

Mountain Fuel Supply Company  
P. O. Box 1129  
Rock Springs, Wyoming

**Attention: B. W. Croft, General Manager**

**Re: Well No. Little Salt Lake Gov't #1  
Sec. 9, T. 34 S, R. 10 W.,  
Iron County, Utah**

**Gentlemen:**

It has come to the attention of this office that you might want the above mentioned well held Confidential. If so, would you please refer to Rule C-5 (b), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

Please notify this office by letter as soon as possible if you desire said well to be held Confidential. If we do not hear from you by May 29, 1963, we will assume the information on this well can be released.

**Very truly yours,**

**OIL & GAS CONSERVATION COMMISSION**

**CLARELLA N. PECK  
RECORDS CLERK**

cnp

# MOUNTAIN FUEL SUPPLY COMPANY

P. O. BOX 1129

ROCK SPRINGS, WYOMING

May 16, 1963

**B. W. CROFT**  
GENERAL MANAGER  
PRODUCING AND PIPELINE DIVISIONS

The State of Utah  
Oil and Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Attention: Miss Clarella N. Peck, Records Clerk

Gentlemen:

Little Salt Lake Gov't. #1  
Sec. 9, T. 34 S., R. 10 W.  
Iron County, Utah

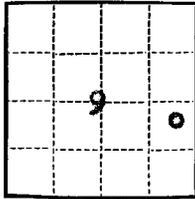
In accordance with Rule C-5 (b), General Rules and Regulations, and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, Mountain Fuel Supply Company requests that all well information on the subject well be kept confidential.

Yours very truly,

*B. W. Croft*

BWC:sm

Form 9-331a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 017652  
Unit Lease

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |   |
|---|---|---|
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| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT.....           |   |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 | X |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |   |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Gov't. Well No. 1 May 20, 1963

Well No. 1 is located 2310' ft. from XNSX line and 330 ft. from [E] line of sec. 9

NE NE SE sec. 9 34S 10W S. L. B. & M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Little Salt Lake area Iron Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6127.5ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The subject well is drilling at a depth of 3795', using 3,000 Mcf circulating air per day with air returns varying from 196 to 693 Mcf per day with no liquid or dust returns. Injecting 20 to 50 barrels of water per hour. Fluid level in well bore remains constant at 500' KBM.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

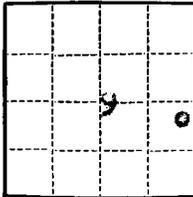
Company Mountain Fuel Supply Company

Address P. O. Box 1129  
Rock Springs, Wyoming

By B.W. Coyle

Title General Manager, Producing and Pipeline Divisions

Form 9-331a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Utah  
Lease No. 017652  
Unit Lease

SUNDRY NOTICES AND REPORTS ON WELLS

|   |           |   |  |
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| NOTICE OF INTENTION TO DRILL.....                   |           | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |  |
| NOTICE OF INTENTION TO CHANGE PLANS.....            |           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |  |
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| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    |           | SUPPLEMENTARY WELL HISTORY.....                 |  |
| NOTICE OF INTENTION TO ABANDON WELL.....            | <b>XX</b> |   |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 May 27, 1963

Well No. 1 is located 2310 ft. from Box line and 330 ft. from E line of sec. 9

NE NE SE sec. 9 34S 10W S. L. B. & M.  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Little Salt Lake area Iron Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6127.51ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

A core was cut from 4391' to 4400', total depth, and the core recovered was monsonite. Accordingly, we would like your permission to plug and abandon the subject well in accordance with our Mr. R. G. Myer's telephone conversation with you on May 26, 1963 and with Mr. Paul Bruchell of the Utah Oil & Gas Conservation Commission. We plan to run in with open end tubing to a point near total depth and lay a 1000-foot cement sacks, consisting of a mixture of Pozmix 50-50 cement, 2% gel, 3% calcium chloride and 75# gilsonite per sack of cement. After the cement is set, with the tubing cemented in the hole, top of the cement will be located and the tubing then cut off above the top of cement. The tubing will then be pulled up hole and another cement plug laid. Plugging will continue in this manner until the well is plugged to surface with cement. Any deviation in this method of plugging, due to hole conditions, will be reported to you.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rick Springs, Wyoming

By B. W. Coft

Title General Manager, Producing and Pipeline Divisions

May 29, 1963

MEMO FOR FILING:

Re: Mountain Fuel & Supply Company  
Little Salt Lake #1  
Sec. 9, T. 34 S, R. 10 W.,  
Iron County, Utah

On May 26, 1963, Mr. Bob Meyer called to confirm a plugging program for the above mentioned well. The present depth is 440' in the Monsonite (Igneous) Rock, which was confirmed by a core sample. The well has an extensive fresh water zone which was located at 570' by an electric ion dispenser. It should be noted that this water is fresh and was made available for drinking purposes on location. The water does not flow but fills the hole to a level of 500'. The flowing down the hole appears to be going on to the formation which indicates porosity. This effect does not allow returns to the surface.

The Navajo was anticipated at 3233', however, it was not encountered at the T. D. The following program will be initiated on 5-27-63:

- (1) 2 3/8" tubing will be set at the T. D. of (4400') and a 1000' plug with gelsonite will be displaced out of the tubing. After the cement has been set a density sonde will be utilized to find the top of the cement and the tubing will be cut.
- (2) The above process will be again repeated until the entire hole is completely filled with cement up to 20" conductor pipe set at 157'. It was requested that the fresh water zone at 570' be left open for a possible fuel use. It should be noted that this water zone will have cement above and below for the entire hole.
- (3) A marker will be installed and the rat and mouse hole filled. The location will then be restored to its original status.

PAUL W. BURCHELL  
CHIEF PETROLEUM ENGINEER

PWB:kgw

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE .....  
LEASE NUMBER .....  
UNIT **Little Salt Lake**  
**Area**

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State **Utah** County **Iron** Field **Little Salt Lake**

The following is a correct report of operations and production (including drilling and producing wells) for the month of **MAY 1963**, 19.....

Agent's address **P. O. Box 989** Company **MOUNTAIN FUEL SUPPLY COMPANY**

**SALT LAKE CITY, UTAH** Signed **J. L. Neely**

Phone **328-8315** Agent's title **DIVISIONAL CHIEF ACCOUNTANT**

| 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) | REMARKS (If drilling, depth; if shut down cause; date and result of test for gasoline content of gas) |
|---------------------|-----------|----------|----------|---------------|----------------|---------|-------------------------------|-------------------------------|--------------------------------------|---|
| <b>NE NE, SE 9</b>  | <b>34</b> | <b>1</b> | <b>1</b> |               |                |         |                               |                               |                                      | <b>Spudded 4/24/63<br/>Abandoned 5/31/63,<br/>Depth 3490'</b>   |

NOTE.—There were..... runs or sales of oil; ..... M cu. ft. of gas sold; ..... runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

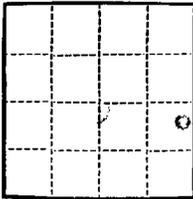
Form 9-331a  
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Utah

Lease No. 017652

Unit Land



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

|   |   |
|---|---|
| NOTICE OF INTENTION TO DRILL.....                   | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |
| NOTICE OF INTENTION TO CHANGE PLANS.....            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....     | SUBSEQUENT REPORT OF ALTERING CASING.....       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR..... |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....        | SUBSEQUENT REPORT OF ABANDONMENT..... <b>XX</b> |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....    | SUPPLEMENTARY WELL HISTORY.....                 |
| NOTICE OF INTENTION TO ABANDON WELL.....            |   |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Little Salt Lake Government Well No. 1 June 3, 1963

Well No. 1 is located 2310 ft. from DOCK line and 330 ft. from E line of sec. 9

NE NE SE sec. 9 34S 10W S. L. B. & M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Little Salt Lake area Iron Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6127.51 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 4400', PSD 617', well plugged and abandoned and rig released May 31, 1963. This well will be utilized by the Bureau of Land Management as a water well. The following cement plugs were laid in the well, using Pozmix 50-50 A cement mixed with 2% gel, 3% calcium chloride, and 75% gilsonite per sack of cement.

- Plug No. 1: 4078'-2984', 230 sacks
- Plug No. 2: 2984'-2300', 230 sacks
- Plug No. 3: 2300'-1300', 230 sacks; checked plug top at 1648'.
- Plug No. 4: 1648'-648', 205 sacks; checked plug top at 802'.
- Plug No. 5: 802'-699', 16 sacks; checked plug top at 699'.
- Plug No. 6: 699'-625', 17 sacks; no fillup
- Plug No. 7: 699'-625', 17 sacks; no fillup
- Plug No. 8: 699'-625', 17 sacks; checked plug top at 617'.

Released rig and installed wellhead marker in accordance with Mr. Russell's

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. (over)

Company Mountain Fuel Supply Company

Address P. O. Box 1125

Rock Springs, Wyoming

By B. W. Koft

Title General Manager, Producing and Pipeline Divisions

telephone conversation with Mr. Myers of this Company. As soon as the rig is moved off, and the location leveled and cleaned, you will be notified.

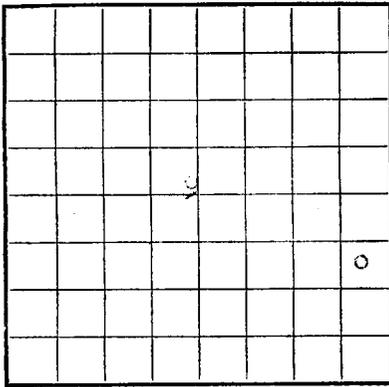
2003 7/11/71

Approved by Bureau No. 42-R355.4

9  
M.V.  
DW

Form 9-330

U. S. LAND OFFICE Utah  
SERIAL NUMBER 017652  
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Mountain Fuel Supply Company Address P. O. Box 1129, Rock Springs, Wyoming  
Lessor or Tract Government Well No. 1 Field Little Salt Lake State Utah  
Well No. 1 Sec. 9 T. 34S R. 10W Meridian S. L. B. & M. County Iron  
Location 2310 ft.  $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$  of S. Line and 330 ft.  $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$  of E. Line of sec. 9 Elevation 6127.51'  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B. W. Craft

Date June 5, 1963 Title General Manager, Producing and Pipeline Divisions

Commenced drilling April 24, 1963 Finished drilling May 25, 1963

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from none to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 500 to 580 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

| Size casing                | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|----------------------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
|                            |                 |                  |      |        |              |                     | From—      | To— |         |
| HISTORY OF OIL OR GAS WELL |                 |                  |      |        |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing   | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|-----------|------------------------|-------------|-------------|--------------------|
| <u>20" line pipe, conductor string, set at 156.78' KBM with 488 sacks cement.</u> |           |                        |             |             |                    |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD | MARK



STATE OF UTAH  
 OIL & GAS CONSERVATION COMMISSION  
 310 NEWHOUSE BUILDING  
 SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Little Salt Lake Gov't No. 1

Operator Mountain Fuel Supply Co. Address Salt Lake City Phone 328-8315

Contractor Signal Drilling & Exploration Address Denver, Colo. Phone CH 4-2411

Location: NE 1/4 SE 1/4 Sec. 9 T. 34 S R. 10 W Iron County, Utah.

Water Sands:

|    | <u>Depth</u> |              | <u>Volume</u>            | <u>Quality</u>        |
|----|--------------|--------------|--------------------------|-----------------------|
|    | <u>From</u>  | <u>To</u>    | <u>Flow Rate or Head</u> | <u>Fresh or Salty</u> |
| 1. | <u>500'</u>  | <u>4400'</u> | <u>?</u>                 | <u>?</u>              |
| 2. |              |              |                          |                       |
| 3. |              |              |                          |                       |
| 4. |              |              |                          |                       |
| 5. |              |              |                          |                       |

(Continued on reverse side if necessary)

Formation Tops:

Cretaceous Surface  
Jurassic 2925'  
Monzonite 3490'

Remarks:

*This well was drilled to total depth of 4400' with no returns to surface and water maintained a level a 500' throughout the drilling.*

*Victor B. Hoas  
 Staff Geologist*

**NOTE:** (a) Upon diminishing supply of forms, please inform the Commission  
 (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

PMP

COMPLETION REPORT

Operator: Mountain Fuel Supply Company

Well: Government No. 1

Area: Little Salt Lake

Location: 330' FEL and 2310' FSL, Sec. 9, T. 34 S., R. 10 W., Iron County, Utah.

Elevation: 6112.91' Ground; 6129.01' Kelly Bushing

Drilling Commenced: April 24, 1963

Drilling Completed: May 25, 1963

Rig Released: May 31, 1963

Total Depth: 4400'

Tops:

|            |         |
|------------|---------|
| Cretaceous | Surface |
| Jurassic   | 2929'   |
| Monzonite  | 3490'   |

Casing: 20" @ 156.78' with 440 sacks

Productivity: Dry and abandoned. Turned over to Bureau of Land Management for use as a water well.

Remarks: This well was drilled with no sample returns to total depth. Formation was identified from nine sidewall cores and a core taken from 4391' to 4400'. Throughout drilling the water level stood at 500' in the well. Following plugging the water level measured 370'.

VBG/ew

11

Field Little Salt Lake State Utah County Iron Sec. 9 T. 34S R. 10W

Company Mountain Fuel Supply Farm Little Salt Lake Well No. 1 Gov't

Location 2310' N/S 330' W/E Elev. 6112.91' GR. 6129.01' KB.

Drilling Commenced April 24, 1963 Completed May 25, 1963

Rig Released May 31, 1963 Total Depth 4400'

Casing Record 20" @ 156.78' with 440 sacks

Plugged back 617'. 370' water level

Tubing Record

Perforations

|  |   |  |  |
|--|---|--|--|
|  |   |  |  |
|  |   |  |  |
|  | 9 |  |  |
|  |   |  |  |

I. P. D&A Gas \_\_\_\_\_ Oil \_\_\_\_\_

Sands \_\_\_\_\_

Shut-in Surface Pressures \_\_\_\_\_

Remarks This well was drilled with no sample returns to total depth. Formation was identified from nine sidewall cores and a core taken from 4391' to 4400'.

FORMATION RECORD

FORMATION RECORD

FROM TO

SIDEWALL CORE - 705'

Siltstone, light yellow-brown, argillaceous-sandy, hard, dense

SIDEWALL CORE - 1070'

Shale, medium gray, calcareous, dense, clayey, soft

SIDEWALL CORE - 1155'

Coal, black, with streaks of Lignite, soft

SIDEWALL CORE - 1372'

Shale, black, coaly, soft, laminated with thin coal beds

SIDEWALL CORE - 2100'

Sandstone, light gray, silty-very fine-grained, calcareous, hard, tight

SIDEWALL CORE - 2768'

Shale, medium gray, silty-sandy, soft

SIDEWALL CORE - 3005'

Shale, white, silty-sandy, calcareous, soft

SIDEWALL CORE - 3290'

Siltstone, pink-light yellowish green, variegated, dense, hard

SIDEWALL CORE - 3410'

Shale, light bluish green, soft, highly fractured

CORE #1 - 4391'-4400' (Recovered 3 feet)

Monzonite, light gray, coarse-grained, composed of plagioclase, with specks of biotite and hornblende, with small cavities lined with quartz crystals, hard, irregular fractures

TOPS - (E-Log)

Jurassic - 2925'

Monzonite - 3490'

*Send  
file  
& 10*

**MOUNTAIN FUEL SUPPLY COMPANY**

180 EAST FIRST SOUTH STREET  
TELEPHONE DAVIS 8-8315

**SALT LAKE CITY 10, UTAH**

June 10, 1963

*PMB  
DW  
7*

Mr. Paul W. Burchell  
Chief Petroleum Engineer  
Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Dear Mr. Burchell:

We are forwarding to you at this time a set of logs on our  
Little Salt Lake Government No. 1 well.

Very truly yours,

*V. B. Gras*

V. B. Gras  
Staff Geologist

VBG/ew  
Enclosure