

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 ✓

Copy NID to Field Office ✓

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 10-17-57

OW _____ WW _____ TA _____

GW _____ OS _____ PA X

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log 11-8-57

Electric Logs (No. 13)

E ✓ I _____ E-I _____

Lat _____ Mi-L _____

GR _____

Sonic _____

GR-N _____

Others _____

Micro ✓

Radioactivity Log

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
NOTICE OF INTENTION TO DRILL

June 24

1957

Oil and Gas Conservation Commission:

In compliance with Rule 6-4, notice is hereby given that it is our intention to commence
Gov't.
the work of drilling well No. 1, which is located 990ft from (N) line and 1980 ft
(E) from (W) line of NE 1/4 NW 1/4 of Sec 13, Twp 37S, R 18E, S. L. M., Mormon Flats area
(Meridian) (Field or Unit)

San Juan (County) LAND: Fee and Patented () Name of Owner _____
State _____ () Address _____
Lease No. _____
Public Domain... (X) Lease No. Utah 013181 Phone _____

Is location a regular or exception to spacing rule? location Has surety bond been filed? Yes
Nation wide bond with whom? / applies? Area () drilling Unit No. unit, elevation of ground above
(State or Federal) sea level is 6819 est. ft. All depth measurements taken from top of Kelly bushing
(Derrick floor, rotary table) which is 10.12 Ft above ground. Type of tools to be used
or Kelly Bushing) rotary tools Proposed Drilling depth 5000ft. Objective formation Paradox
Hermosa and

PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight Per Foot	Grade and Type	Amount Ft. In.	Top bottom	Cementing depths
10-3/4"	32.75	H-40 seamless	Approx. 300'		0-300'
5-1/2"	15.50	J-55 seamless	Approx. 5000'		Conjectural; depends upon hole conditions; will use sufficient cement to protect other

REMARKS (use back of form for additional remarks or info) zones.

~~The Company's drilling operations are covered by a nation-wide bond. Notice of intention to drill filed with U. S. Geological Survey in Salt Lake City, Utah. Bureau of Land Management has been furnished with "Designation of Operator"~~

AFFIDAVIT

I hereby certify under the penalty of perjury, that the information contained and statements herein made are to the best of my knowledge and belief, true, correct and complete.

Approved _____ Date _____ 19 _____

By Simon

By _____

Vice President
(Title or Position)

Title _____

MOUNTAIN FUEL SUPPLY COMPANY
(Company or Operator)

Address P. O. Box 1129

Rock Springs, Wyoming

INSTRUCTIONS:

1. Complete this form in Duplicate and mail, both copies to the Oil and Gas Conservation Commission, Rm 105, Capitol Bldg., Salt Lake City 14, Utah.
2. A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells within an area of sufficient size so that the commission may determine whether the location of the well conforms to applicable rules, regulations and orders.
3. Any information required by this form that cannot be furnished at the time said form is submitted must be forwarded to the commission as soon as available.

June 25, 1957

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

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Gov't 1, which is to be located 990 feet from the north line and 1980 feet from the west line of Section 13, Township 37 South, Range 18 East, SLEM, San Juan County, Utah.

The proposed location of this well does not comply with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah; nor has information been furnished for an unorthodox location as required by Rule C-3(c) of said rules and regulations.

Therefore, before approval can be given for the drilling location of this well, it will be necessary for you to file a new notice of intention to drill in compliance with Rule C-3(b), or if an unorthodox location is necessary, a request for such spacing must be made as required by Rule C-3(c).

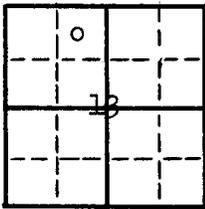
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT
SECRETARY

CBF:cn

cc: Don Russell, Dist. Eng.
U.S.G.S. Federal Building
Salt Lake City, Utah



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
SALT LAKE CITY 14, UTAH

Fee and Patented.....
State.....
Lease No.
Public Domain.....
Lease No. Utah 013181
Indian.....
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... <u>AMENDED</u>	<input checked="" type="checkbox"/>	Subsequent Report of Water Shut-off.....	
Notice of Intention to Change Plans.....		Subsequent Report of Altering Casing.....	
Notice of Intention to Redrill or Repair.....		Subsequent Report of Redrilling or Repair.....	
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)

Mormon Flat Gov't. No. 1 June 27 19 57

Well No. 1 is located 660' ft. from ^{N}/_{S} line and 1980 ft. from ^{E}/_{W} line of Sec. 13

NW sec. 13 37 South 18 East S. I. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Mormon Flat area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

ground
The elevation of the ~~derrick floor~~ above sea level is 6819 (est.) feet.

A drilling and plugging bond has been filed with Company drilling operations are covered by a nation-wide bond.

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 work, surface formation, and date anticipate spudding-in.)

We would like permission to drill the subject well to approximately 5000 feet as a test of formations of Pennsylvanian age, terminating the bottom of the well through the Leadville limestone of Mississippian age. The well will be spudded in the Cedar Mesa sandstone. At about 300 feet, a string of 10-3/4-inch surface casing will be cemented to surface. If commercial oil and/or gas production is encountered, we will run 5-1/2-inch, 15.50#, J-55 seamless casing through the productive interval and cement with sufficient cement to protect other zones. Anticipated spud-in date will be about July 3, 1957. Bureau of Land Management has been furnished with "Designation of Operator".

This notice of intention amends the notice filed with the Commission under date of June 24, 1957, and confirms our Mr. L. W. Folsom's telephone conversation with Mr. Cleon B. Feight, Secretary of the Commission.

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

Company Mountain Fuel Supply Company

Address P. O. Box 1129 By M.M. Fidler

Rock Springs, Wyoming Title Vice President

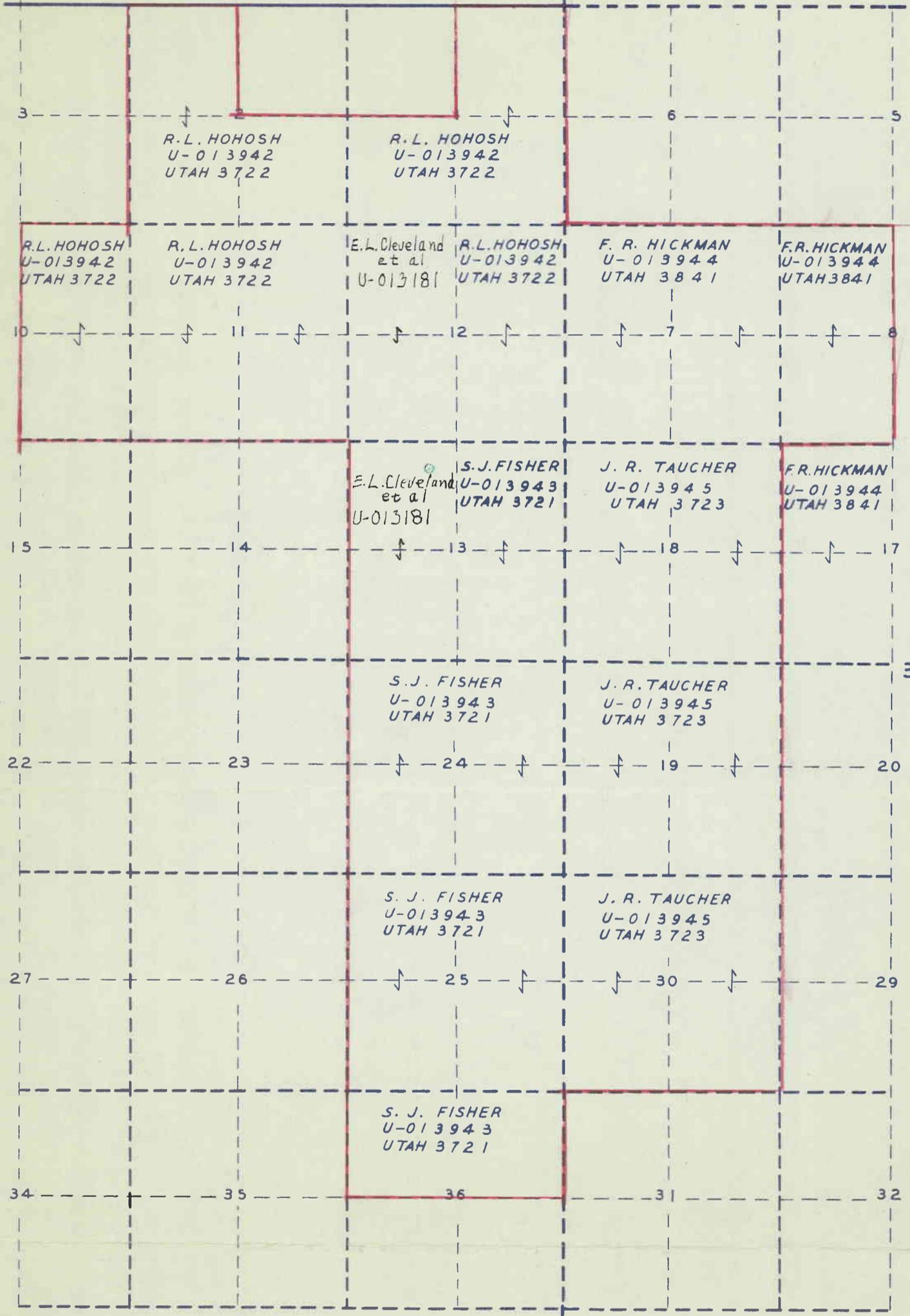
INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

R. 18 E.

R. 19 E.

T. 37 S.

T. 37 S.



LEGEND

- SURVEYED TOWNSHIP LINE
- - - UNSURVEYED TOWNSHIP LINES
- - - UNSURVEYED SECTION LINES
- Proposed drilling block
- o Location

LAND MAP OF

MORMON FLAT AREA

SAN JUAN COUNTY, UTAH

SCALE: 0 1/4 1/2 3/4 1 MILE



THE STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY 14

June 26, 1957

COMMISSIONERS
C. R. HENDERSON
CHAIRMAN
M. V. HATCH
CECIL THOMSON
A. G. NORD
E. W. CLYDE
C. A. HAUPTMAN
PETROLEUM ENGINEER
C. B. FEIGHT
SECRETARY

AIR MAIL

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

Attention: Mr. Folsom

Gentlemen:

With reference to our telephone conversation of this date, please be advised that approval to drill Well No. Gov't 1, 990 feet from the north line and 1980 feet from the west line of Section 13, Township 37 South, Range 18 East, SLBM, San Juan County, Utah, is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

Cleon B. Feight
CLEON B. FEIGHT
SECRETARY

CBF:cn

cc: Don Russell, Dist. Eng.
U.S.G.S. Federal Bldg.
Salt Lake City, Utah

June 27, 1957

AIR MAIL

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

Attention: Mr. Folsom

Gentlemen:

With reference to our telephone conversation of this date, please be advised that approval to drill Well No. Gov't 1, 990 feet from the north line and 1980 feet from the west line of Section 13, Township 37 South, Range 18 East, S1EM, San Juan County, Utah, is hereby cancelled.

Approval to drill said well 660 feet from the north line and 1980 feet from the west line of Section 13, Township 37 South, Range 18 West, S1EM, San Juan County, Utah, is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLEON B. FEIGHT
SECRETARY

CBF:en

cc: Don Russell, Dist. Eng.
U.S.G.S. Federal Bldg.
Salt Lake City, Utah

Mountain Fuel Supply Company

Box 1129
Rock Springs, Wyoming

June 28, 1957

Mr. Cleon B. Feight, Secretary
Oil and Gas Commission
Salt Lake City 14, Utah

Dear Mr. Feight:

With reference to our telephone conversation of June 27, 1957 I am returning to you your letter of approval of the location of our Mormon Flat Government Well No. 1., San Juan County, Utah.

As I explained to you in our telephone conversation, we found the location in error and it was therefore necessary to make a new location. This location will be 1980' from the west line and 660' from the north line, Sec. 13., T. 37 S., R. 18 E. S1BM.

I am returning your letter so that you can destroy the copies or can cancel the approval by covering letter if you wish.

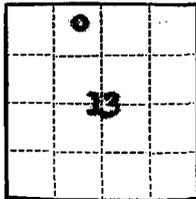
Very truly yours,



L. W. Folsom
Senior Geologist

LWF:bw

Encl. 1



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Utah
Land Office 013161
Lease No. _____
Unit L.

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	XXX
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)

Hornon Flat Government Well No. 1 **July 18**, 19 **57**

Well No. 1 is located 662 ft. from N line and 1988 ft. from E line of sec. 13
13 373 18E S. L. N.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Hornon Flat San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ ^{ground} above sea level is 6866.4 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 was spudded July 7, 1957. At a depth of 998', the following 10-3/4-inch surface casing was run into the well:

	Net	Gross
1 National type B, 10" ser. 600 x 10-3/4" OD casing head housing	1.25	1.25
5 Jts. 10-3/4" OD, 40.5#, H-40, 8-rnd thd, ST&C casing	151.48	152.93
1 Howco 10-3/4" guide shoe	1.38	1.38
	<u>154.11</u>	<u>155.56</u>

Landed the above casing at 164.33' KBH. The top of the NSCD, type B, 10" ser. 600 x 10-3/4" casing head housing is 10.22' below the holly bushings. All joints and guide shoe were spot welded. Broke circulation with Howco pump truck and pumped 10 barrels of water ahead of 95 sacks regular cement treated with 100# calcium chloride. Displaced cement with 15.5 barrels water leaving approximately 10' of cement in the bottom of the casing. Good returns while mixing and displacing cement.

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
 Original Signed J. T. SIMON
 By _____
 Title Vice President

Mormon Flat Government Well No. 1
July 18, 1957
Page 2

Returned approximately 3-1/2 barrels of cement to the surface. Cement slurry weighed approximately 15 pounds per gallon. Cement in place at 8:17 p.m., July 16, 1957.

JUL 18 1957

(SUBMIT IN TRIPLICATE)

Land Office Utah
Lease No. 013181
Unit Lease

	C		
	13		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

*Notes
8-6-57*

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	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL			

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

Mormon Flat Gov't. No. 1 July 29, 1957

Well No. 1 is located 662 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 1988 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 13

NE NW Sec. 13 37S 18E S. L. M.
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Mormon Flat area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

ground

The elevation of the ~~derrick floor~~ above sea level is 5866.4 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)

Pressure tested 10-3/4-inch OD surface casing and blowout preventers to 500 psi for 1/2 hour; pressure test held satisfactorily. Resumed drilling below surface casing. Encountered top of Rice formation at 1170' and top of Hermosa formation at 1444'.

DST #1: 1486'-1503' (Hermosa) tool open 1 hour with one opening blow, dead for remainder of test. Recovered 2' mud. IHP 925 psi, BHFP's 150-150 psi, 30 minute BHSIP 150 psi, FHFP 900 psi.

Presently drilling at a depth of 1781' in the Hermosa formation.

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 *[Signature]*

Title Vice President

COMPLETION REPORT

Operator: Mountain Fuel Supply Company
Well: Mormon Flat Government Well No. 1
Area: Mormon Flat
Location: 662 feet from North line, 1988 feet from West line, sec. 13, T. 37 S.,
R. 18 E., San Juan County, Utah
Elevation: 6866.4 feet, Ground - 6877.12 feet, Rotary Bushing
Drilling Commenced: July 7, 1957
Drilling Completed: October 13, 1957
Rig Released: October 17, 1957
Total Depth: 4637 feet
Casing: 10-3/4-inch at 164.33 feet with 95 sacks cement
Productivity: Plugged and Abandoned.

Formation tops:	Organ Rock	Surface
	Cedar Mesa	70'
	Halgaito	920'
	Rico	1170'
	Hermosa	1444'
	Paradox	2550'
	Pinkerton Trail	3365'
	Molas	3652'
	Leadville	3830'
	Madison	3995'
	Ouray	4285'
	Elbert	4360'
	McCracken	4570'

DRILL-STEM TESTS

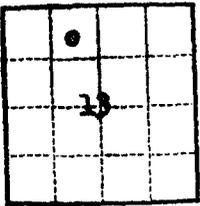
No.	Date	Total Depth	Bottom Packer	Sand	Min. Tool Open	BHFP	BHSIP	FHHP	Remarks
1	7-25-57	1503	1486	1460-1503	60	150	150	900	Rec. 2' mud.
2	8-2-57	2030	2014	2023-2028	60	65	1200	1290	Rec. 90' mud.
3	8-3-57	2068	2030	None	60	65	65	1310	Rec. 90' mud.
4	8-12-57	2425	2402	--	60	50	175	1400	Rec. 30' slightly gas-cut mud.
5	8-20-57	2644	2588	--	60	100	100	1450	Rec. 30' drilling mud.
6	8-24-57	2760	2724	--	60	75	75	1475	Rec. 10' mud.
7	8-26-57	2922	2898	--	120	50	50	1000	Rec. 25' of mud with slight speckled fluorescence.
8	8-29-57	3073	3045	--	60	50	50	1625	Rec. 20' mud.
9	10-11-57	4625	4570	4570-4603 4620-4625	60	650	---	2575	Test stuck on way out of hole.

(SUBMIT IN TRIPLICATE)

Field Office Utah

Lease No. 013181

Unit L.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

*Noted
8-14-57
Cox*

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)

Mormon Flat Gov't. No. 1 August 13, 1957

Well No. 1 is located 662 ft. from [N] line and 1988 ft. from [E] line of sec. 13

NW sec. 13 37S 18E S. L. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat (Mormon Flat area) San Juan Utah
(Field) (County or Subdivision) (State or Territory)

ground
The elevation of the ~~derrick floor~~ above sea level is 6866.4 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)

DST #2: 2014'-2030' (Hermosa), tool open 1 hour fair blow for 20 minutes and then dying. Recovered 90' mud. IHHP 1290 psi, BHFP's 0-65 psi, 30 minute BHSIP 1200 psi, FHHP 1290 psi.

DST #3: 2030'-2068' (Hermosa), tool open 1 hour fair blow for 10 minutes, then dying. Recovered 90' mud. IHHP 1310 psi, BHFP's 0-65 psi, 30 minute BHSIP 65 psi, FHHP 1310 psi.

DST #4: 2402'-2425' (Hermosa), tool open 1 hour; opened with good puff, dying immediately. Recovered 30' slightly gas cut mud. IHHP 1400 psi, BHFP's 25-50 psi, 30 minute BHSIP 175 psi, FHHP 1400 psi.

Presently coring at a depth of 2450 feet in the Hermosa formation.

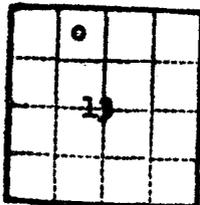
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Mountain Fuel Supply Company

Address P. O. Box 1129
Rock Springs, Wyoming

By [Signature]

Title Vice President



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 013181
State L.

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 CASINGS	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASINGS		SUPPLEMENTARY WELL HISTORY	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL			

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

Mormon Flat Gov't. Well No. 1 August 29 19 57

Well No. 1 is located 662 ft. from [N] line and 1988 ft. from [E] line of sec. 13

NE NW sec. 13 37S 18E SLM
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Mormon Flat area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drivick floor~~ ground above sea level is 6866.4 ft.

DETAILS OF WORK

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

- DST #5: 2588'-2644' (Paradox), tool open 1 hour with good puff, dying immediately. Recovered 30' mud. IHHP 1450 psi, BHFP's 100 psi, 30 minute BHSIP 100 psi, FHHP 1450 psi.
- DST #6: 2724'-2760' (Paradox), tool open 1 hour, dead after opening puff. Recovered 10' mud. IHHP 1500 psi, BHFP's 75 psi, 30 minute BHSIP 75 psi, FHHP 1475 psi.
- DST #7: 2898'-2922' (Paradox), tool open 2 hours with faint blow throughout test. Recovered 25' of mud with slight speckled fluorescence. IHHP 1600 psi, BHFP's 50 psi, 30 minute BHSIP 50 psi, FHHP 1000 psi.
- DST #8: 3045'-3073' (Paradox), tool open 1 hour, dead in 3 minutes. Recovered 20' mud. IHHP 1675 psi, BHFP's 50 psi, 30 minute BHSIP 50 psi, FHHP 1625 psi.

Drilling ahead at 3098'.

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

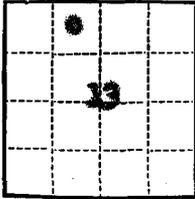
Company Mountain Fuel Supply Company

Address P. O. Box 1129

Rock Springs, Wyoming

By [Signature]

Title Vice President



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 01381
Unit L

*Noted
Catt
10-7-57*

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.....	
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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.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

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

Herman Flat Gov't. Well No. 1 **September 25** 19**57**

Well No. **1** is located **662** ft. from **N** line and **1988** ft. from **E** line of sec. **13**

NE 1/4 sec. 13 **378** **18E** **S. L. M.**

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Herman Flat **San Juan** **Utah**

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **6866.4** 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)

No additional drill stem tests have been made since test No. 6 at a depth of 3073 feet. This test has been reported to you.

The subject well is drilling at a depth of 4267 feet in the Madison limestone. Anticipated total depth of the well is about 4700 feet. Formation tops picked by cores and by samples are as follows:

- Rice 1170'**
- Herman 1444'**
- Paradox 2583'**
- Holas 3658'**
- Lonsville 3830'**
- Madison 3995'**

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

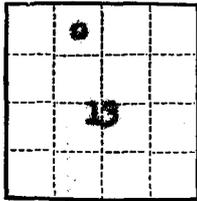
Address P. O. Box 1127

Rock Springs, Wyoming

By [Signature]

Title Vice President

Form 9-331a
(Feb. 1961)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Utah
Lease No. 013181
Unit Lc

*Noted
Oct
10-28-57*

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	XX		

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

Hornon Flat Gov't., Well No. 1 October 15, 1957

Well No. 1 is located 662 ft. from N line and 1988 ft. from W line of sec. 13

NE 1/4 sec. 13 37S 18E S. L.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Hornon Flat area San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground derrick floor above sea level is 6866 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)

DSP No. 2, 4570'-4625' (McCracken formation), tool open 1 hour, dead after opening puff. Test tool stuck on way out of hole requiring fishing job. DHP 2600 psi, no EHP, FHP 2575 psi.

The subject well was drilled to a total depth of 4637 feet at which depth it penetrated the McCracken sandstone. No commercial shows of oil or gas were encountered in the well either by drill stem testing or by analysis of cores. Subsequently, we would like your permission to plug and abandon the subject well.

A cement plug will be laid from 4000' to 4300'; this plug will isolate the top of the McCracken sand, top of which was logged at 4750' and will also cover the Madison, top of which was logged at 3995'.

(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 [Signature]

Title Vice President

Field Mormon Flat Area State Utah County San Juan Sec. 13 T. 37 S. R. 18 E.

Company Mountain Fuel Supply Farm Mormon Flat Government Well No. 1
 Location 662' FNL; 1988' FWL Elev. 6877.12' Rotary Bushing
6866.4' Ground

Mormon Flat			
Govt. #1			
13			

Drilling Commenced July 7/1957 Completed October 13/1957

Rig Released October 17/1957 Total Depth 4637 feet

Casing Record 10-3/4-inch at 164.33 feet w/95 sacks cement

Tubing Record None

Perforations None

I. P. Gas ----- Oil ----

Sands -----

Shut-in Surface Pressures -----

Remarks Plugged and Abandoned in McCracken formation

FORMATION RECORD

FORMATION RECORD

	FROM	TO
ORGAN ROCK FORMATION AT SURFACE		
No Samples	0	50
Shale, gray, red, purple, firm.	50	70
CEDAR MESA FORMATION TOP @ 70'.		
Sandstone, fine to medium grained, tan to white, subangular, with some loose coarse grains; shale, red, very sandy, soft, calcareous.	70	130
Sandstone as above.	130	300
Shale, red, calcareous, sandy, soft, brittle.	300	310
Sandstone, white, very fine to medium grained, unsorted, subangular, soft, calcareous, tight, with occasional large rounded grains.	310	370
Sandstone as above, white to pink, becoming argillaceous.	370	500
Shale, red, very sandy, soft, with some limestone, red, sandy, hard.	500	510
Sandstone, white, red and pink, fine to coarse grained, tight, very calcareous, soft, with some red, sandy, calcareous shale.	510	920
HALGAITO FORMATION TOP @ 920'.		
Shale, red, very calcareous, hard.	920	950
Sandstone, pink, fine to coarse grained, soft, calcareous.	950	1030
Limestone, reddish-brown, crypto-crystalline, argillaceous, hard.	1030	1050
Sandstone, red, fine grained, very argillaceous, calcareous, firm, tight.	1050	1170
RICO FORMATION TOP @ 1170'.		
Shale, red, silty, very micaceous, calcareous, hard.	1170	1230
Siltstone, red, soft, with 10' of light gray to white, non-crystalline, hard, sandy limestone near bottom.	1230	1300
Shale, reddish-brown, silty, calcareous, hard.	1300	1360
Sandstone, white, very fine grained, subangular, hard, tight.	1360	1380
Siltstone, red, micaceous, very calcareous, hard.	1380	1444
HERMOSA FORMATION TOP @ 1444'.		
Limestone, light gray, non-crystalline, sandy, hard, with some red chert.	1444	1460
Sandstone, light gray, very fine grained, very calcareous.	1460	1480
Sandstone, light gray to white, very fine grained, subangular to sub-rounded, firm.	1480	1510

W

Field Mormon Flat
 Farm Mormon Flat Government
 Company Mountain Fuel Supply

Sec. 13 T. 3 R. 18 E.
 Well No. 1

FORMATION RECORD

FORMATION RECORD

From To

Sandstone, light gray, very fine grained, calcareous, tight, and red, silty, micaceous, hard shale.	1510	1560
Sandstone, pink, white, light tan, very fine to medium grained, calcareous, hard, tight.	1560	1580
Shale, red, sandy, calcareous, micaceous, hard.	1580	1630
Sandstone, white to pink, very fine to fine grained, subangular, calcareous, soft, tight.	1630	1670
Limestone, light gray, crypto-crystalline, hard, non-porous.	1670	1690
Siltstone, reddish-brown, micaceous, calcareous, hard, with several beds limestone, light gray, crypto-crystalline, hard.	1690	1920
Limestone, gray to pinkish-gray, micro-crystalline, hard, with patches of orange chert and some thin beds red, calcareous, micaceous, hard siltstone.	1920	2020
Sandstone, gray, fine grained, calcareous, slightly micaceous.	2020	2050
Limestone, gray to brownish-gray, some sandy, crypto-crystalline, hard with six feet of amber chert at 2184'.	2050	2190
Shale, reddish-brown and blue-gray, silty, calcareous, soft.	2190	2230
Limestone, medium gray, finely crystalline, hard, dense, with some pin-point vugs from 2403'-2410' bleeding some oil.	2230	2550
PARADOX FORMATION TOP @ 2550'.		
Shale, black, calcareous, hard, with fish scales (?).	2550	2587
Dolomite, gray, very finely crystalline, hard, tight, bleeding oil in bottom six feet.	2587	2599
Gray anhydrite.	2599	2618
Interbedded anhydrite, black dolomite, endocrinal limestone and black shale. Some dolomite bleeding oil.	2618	2645
Limestone, gray, very finely crystalline, non-porous, endocrinal, hard.	2645	2676
Black, thin-bedded, hard shale with abundant flat brachiopods.	2676	2714
Dolomite, dark gray, very finely granular, hard.	2714	2727
Interbedded gray anhydrite, dark gray dolomite, and black shale.	2727	2735
Gray anhydrite.	2735	2747
Salt.	2747	2820
Anhydrite, finely sucrose, soft.	2820	2880
Dolomite, brown, very finely granular.	2880	2922
Salt.	2922	2979
Alternating gray anhydrite and gray finely crystalline dolomite.	2979	3120
Salt.	3120	3153
Brown, very finely crystalline dolomite.	3153	3165
Shale, black, carbonaceous, soft.	3165	3175
White, soft anhydrite.	3175	3215
Salt.	3215	3260
Light gray anhydrite.	3260	3320
Dolomite, gray, very finely crystalline.	3320	3365
PINKERTON TRAIL FORMATION TOP @ 3365'.		
Limestone, gray, micro-crystalline, hard.	3365	3385
Dolomite, gray, finely granular, firm.	3385	3405
Limestone as above with some amber chert.	3405	3490
Amber chert.	3490	3500
Limestone, brown, micro-crystalline, hard.	3500	3590
Limestone, cream, micro-crystalline, softer.	3590	3645
Chert, milky, amber and orange.	3645	3652
MOLAS FORMATION TOP @ 3652'.		
Shale, light gray, greenish-gray and lavender, soft.	3652	3750
Limestone, light tan to gray-white, micro-crystalline, hard.	3750	3790
Clay shale, brick red.	3790	3830
LEADVILLE FORMATION TOP @ 3830'.		
Limestone, light gray to white, crypto-crystalline, hard.	3830	3990

Farm Mormon Flat Government

Well No. 1

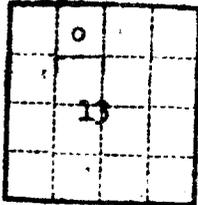
Company Mountain Fuel Supply

FORMATION RECORD

FORMATION RECORD

	From	To
MADISON FORMATION TOP @ 3995'.		
Dolomite, tan to medium dark gray, crystalline, porous, firm.	3990	4285
OURAY FORMATION TOP @ 4285'.		
Limestone, light gray to white to tan, crypto-crystalline, firm.	4285	4360
ELBERT FORMATION TOP @ 4360'.		
Shale, red, green and purple, soft.	4360	4440
Dolomite, light tan to light brown, crypto-crystalline with coarse rounded quartz grains in top half.	4440	4570
McCRACKEN FORMATION TOP @ 4570'.		
Sandstone, white, medium grained, quartzitic, tight.	4570	4604
Mottled green and maroon shale.	4604	4610
Dolomite, brown to grayish white, hard.	4610	4620
Sandstone, white, fine grained, tight, hard, with scattered red, green and black grains.	4620	4625
No Recovery on Core.	4625	4628
Cavings.	4628	4635
Sandstone, maroon, fine grained, with some coarse rounded grains, quartzitic, tight.	4635	4637.

-----TOTAL DEPTH 4637'-----



(SUBMIT IN TRIPPLICATE)
**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Land Office Utah
Lease No. 013181
Unit Lease

SUNDRY NOTICES AND REPORTS ON WELLS

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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)

Mormon Flat Gov't. Well No. 1 October 24 1957

Well No. 1 is located 662 ft. from [N] line and 1988 ft. from [E] line of sec. 13

NE NW sec. 13 37S. 18E S. I. M.
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Mormon Flat area San Juan Utah
(Field) (County or Subdivision) (State or Territory)
ground

The elevation of the ~~derrick floor~~ above sea level is 6866.4 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 of well 4637 feet. Ran open end drill pipe to lay cement plug No. 1 at a depth of 4321' + kelly. Mixed 18 barrels of cement slurry and displaced with 33.25 barrels of mud and water. While displacing cement slurry, returns ceased. Attempted to pull drill pipe but unable to do so. Pulled up to 140,000 pounds but drill pipe would not free. Evidently, cement had set up immediately after displacing same. Using McCullough magnatector, found free point of 3-1/2" drill pipe at 3398'. Backed off drill pipe at 3379', leaving 912' of 3-1/2" drill pipe cemented in hole. Pulled out of hole, laying down 3-1/2" drill pipe, and picked up 2-7/8" drill tubing to continue laying abandonment plugs.

Plug No. 2: 2800' - 2200', 136 sacks. Good mud returns while mixing and displacing cement.

(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 [Signature]

Title Vice President

Cement Plug No. 3: 215' to 115', 38 sacks. Good mud returns while mixing and displacing cement. This plug extends 50' in and 50' out of the surface casing.

Cement Plug No. 4: 5 sacks of cement in the surface of the 10-3/4" casing, into which was inserted the regulation abandonment marker.

The subject well was abandoned on October 17, 1957 and the rig released. The location has been cleaned and leveled and is now ready for final inspection and approval by your office.

W

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE- The methods and procedure for plugging a well shall be as follows: (a) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh-water-bearing strata.

(c) A plug shall be placed at or near the surface of the ground in each hole.

(d) The interval between plugs shall be filled with heavy-mud-laden fluid.

(e) The hole shall be plugged with heavy mud up to the base of the surface string, at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Mormon Flat County San Juan

Lease Name Mormon Flat Well No. Gov't. #1 Sec. 13 Twp. 37S Rge. 18E

Date well was plugged October 17, 1957.

Was the well plugged according to regulation of the Commission? Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole (giving size, top and bottom elevations of each section of abandoned casing).

Plug No. 1: 4321'-3398', 18 barrels of cement, displaced with mud. Drill pipe cemented in hole (912').

Plug No. 2: 2800'-2200', 136 sacks regular cement treated with 22.7#/sack of salt. Cement plug put in place by displacing with mud.

Plug No. 3: 215'-115', 38 sacks regular cement treated with 22.7#/sack of salt. Cement plug put in place by displacing with mud; extends 50' in and 50' out of 10-3/4" surface casing.

Plug No. 4: 5 sacks regular cement in top of surface casing.

MOUNTAIN FUEL SUPPLY COMPANY

(Operator)

P. O. Box 1129

(Address)

Rock Springs, Wyoming

Simon Vice President

(AFFIDAVIT)

STATE OF UTAH Wyoming

COUNTY OF Sweetwater

Before me, the undersigned authority, on this day personally appeared J. T. Simon, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this the 24th day of October 1957.

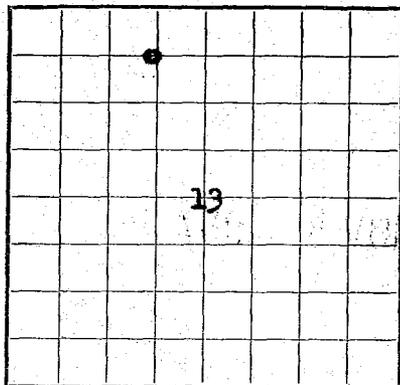
My Commission Expires: May 2, 1959

Steve Mairmanich
Notary Public in and for County of Sweetwater, State of Wyoming

INSTRUCTIONS: Complete this form in duplicate and mail both copies to Oil and Gas Conservation Commission, Rm 105, Capitol Bldg., Salt Lake City 14, Utah.

Form 9-330

FOR INFORMATION OF UTAH OIL AND GAS CONSERVATION COMMISSION U. S. LAND OFFICE Utah
SERIAL NUMBER 013181
LEASE OR PERMIT TO PROSPECT L.



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mormon Flat Gov't. Well No. 1

LOG OF OIL OR GAS WELL

Company Mountain Fuel Supply Company Address P. O. Box 1129, Rock Springs, Wyoming
Lessor or Tract E. L. Cleveland Field Mormon Flat State Utah
Well No. Gov't. 1 Sec. 13 T. 37S R. 18E Meridian S. L. M. County San Juan
Location 662 ft. N. of S. Line and 1988 ft. E. of W. Line of sec. 13 Elevation 6874.9
(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 [Signature]

Date October 25, 1957 Title Vice President

The summary on this page is for the condition of the well at above date.

Commenced drilling July 7, 1957 Finished drilling October 13, 1957

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 none to _____ 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—	
<u>10-3/4"</u>	<u>40.5</u>	<u>3rd thd</u>	<u>Spang</u>	<u>155.56</u>	<u>Halliburton</u>				<u>Surface</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>164.33'</u>	<u>NEM 95 sax</u>	<u>Displacement</u>		<u>15.5 bbls. water</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FOLD MARK

110

