

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or
operations suspended

2-3-58

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

-
-
-
-
-
-
-
-
-

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

-
-
-
-
-

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

-
-
-
-

COMPLETION DATA:

Date Well Completed

OW

WW

TA

GW

OS

PA

2-3-58
~~2-2-58~~

Location Inspected

Bond released

State of Fee Land

-
-
-

LOGS FILED

Driller's Log

Electric Logs (No.)

E

I

EI

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

2-24-58

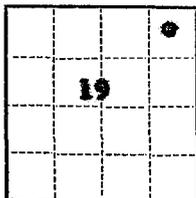
1 2

Trace Analysis Report

Subsequent Report of Abandonment

Salt Lake

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office _____
Lease No. **SL 067677**
Unit _____

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)

December 23, 1957

Well No. **1 Govt.** is located **870** ft. from $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$ line and **660** ft. from $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$ line of sec. **19**

19 **39 South 25 East** **SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

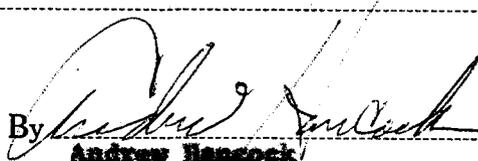
1. Objective horizons:

Bluff Limestone, -650'
Desert Creek Limestone, -830' 5900

- Plan to set 125 feet of 48# H-40, 13 3/8" casing with 125 sacks cement.**
- Plan to set intermediate string of 24# J-55, 8 5/8" casing if water flows are encountered.**
- Plan to drill 7 7/8" hole to objective horizons.**

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

Company **HLAWATHA OIL & GAS COMPANY**
Address **1055 Petroleum Club Building**
Denver 1, Colorado.

By 
Andrew Hancock
Title **Division Landman**

COMPANY Hiawatha Oil and Gas Company

Well Name & No. _____ Lease No. _____

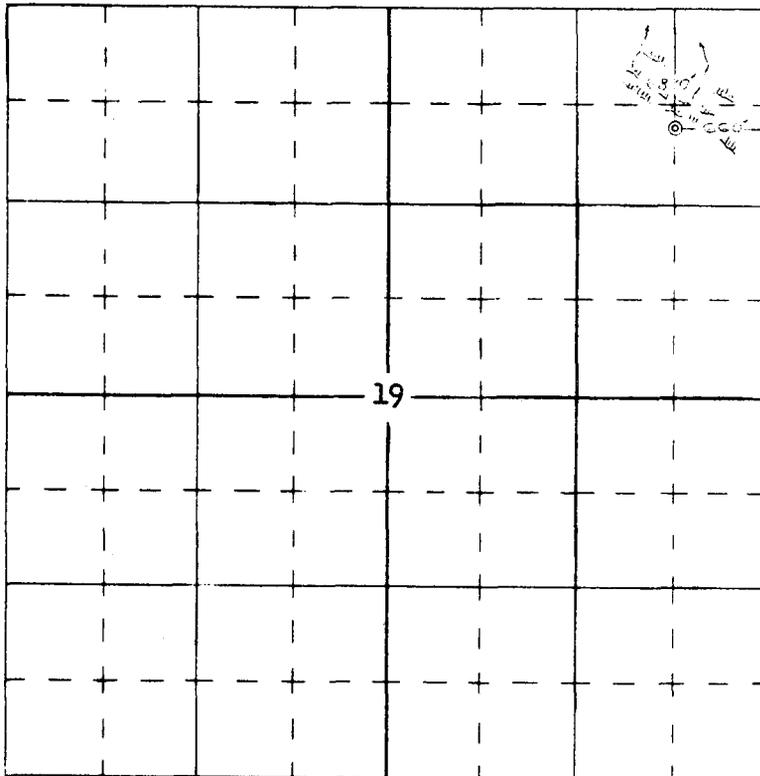
Location 820' from the North line and 660' from the East line.

Being in NE¹NE¹

Sec. 19, T 39^S N., R 25^E W., S. L. M., N. M. P. M., San Juan County, Utah

Ground Elevation 5067

Location moved 50' South
(870' NL & 660' EL)



Scale -- 4 inches equals 1 mile

Surveyed December 17, 1957

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Four States Oil Field Surveys
Farmington, New Mexico

Ernest V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
N. M. Reg. #1545
Practicing in Utah under Laws
regulating Professional Engrs.
and Land Surveyors, Utah Code 1953,
Title 58-10-16.

HIAWATHA OIL & GAS COMPANY
DENVER, COLORADO

December 23, 1957

United States Geological Survey
Box 965
Farmington, New Mexico

Attention: Mr. Phil McGrath
District Engineer

Gentlemen:

Enclosed please find four copies of Designation of Operator, copy of surveyor's plat and three copies of our Notice of Intention to drill our #1 Government well to be located in the NE $\frac{1}{4}$ of Section 19, Township 39 South, Range 25 East, San Juan County, Utah, covering Salt Lake Lease No. 067677.

You will notice there is no bond enclosed due to the fact that Reynolds Hatch, Limited has a \$25,000 nation wide bond filed and as reference the bond may be found in lease files numbered Salt Lake 065320 and Salt Lake 06767 1B.

Trusting this will be in order and hope to commence operations of our proposed test well. Your earliest possible approval would be greatly appreciated.

Yours very truly,


Andrew Hancock
Division Landman

AH:rd
encls.

cc: Oil & Gas Conservation Commission
Salt Lake City, Utah
encls. 2 copies Notice of Intention to Drill
2 copies of Surveyor's plat

United States Geological Survey
Roswell, New Mexico
encls. 2 copies Notice of Intention to Drill
1 copy of Surveyor's plat

Cosden Petroleum Corporation
encls. Notice of Intention to Drill and Surveyor's plat

Lion Oil Company
encls. Notice of Intention to Drill and Surveyor's plat

Texota Oil Company
encls. Notice of Intention to Drill and Surveyor's plat

Reynolds Hatch, Limited
encls. Notice of Intention to
drill and plat

Three States Natural Gas Co.
encls. Notice of Intention to
drill and plat

Mr. J. W. Findley
encls. Notice of Intention to
drill and plat

December 24, 1957

Hiawatha Oil & Gas Company
1055 Petroleum Club Building
Denver 1, Colorado

Attention: Andrew Hancock, Division Landman

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Government 1, which is to be located 870 feet from the north line and 660 feet from the east line of Section 19, Township 39 South, Range 25 East, S1PM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FRIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

STATE OF UTAH
 OIL & GAS CONSERVATION COMMISSION
 State Capitol Building
 Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for December, 1957.

Agent's address 1055 Petroleum Club Bldg. Company HLAWATHA OIL & GAS COMPANY
Denver 2, Colorado Signed *C. B. Severy*

Phone _____ Agent's title Mgr. of Exploration

State Lease No. _____ Federal Lease No. SL-067677 Indian Lease No. _____ Fee & Pat.

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
Sec. 19 NE NE	39S	25E	1	Drlg.				12/27/57 - Building roads & location. MIR 12/30/57 - Preparing to spud. Spudded 10:30 p.m. 12/31/57 - Drilling at 40'

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
 SI-Shut In D-Dead
 GI-Gas Injection TA-Temp. Aban.
 WI-Water Injection

W

HIAWATHA OIL & GAS COMPANY
SUITE 1055 PETROLEUM CLUB BUILDING
DENVER 2, COLORADO
TABOR 5-8153

January 14, 1958

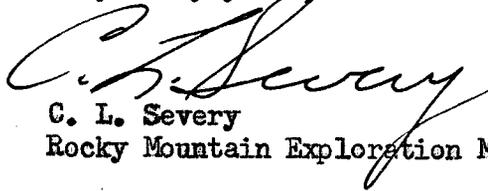
H
1-27-58

State of Utah
Oil & Gas Conservation Commission
State Capitol Building
Salt Lake City 14, Utah

Gentlemen:

Enclosed please find original and one of Report of Operations
and Well Status Report on our SL-067677, #1 Government in
San Juan County, Utah for the month of December, 1957.

Very truly yours,



C. L. Severy
Rocky Mountain Exploration Manager

pg

cc: United States Geological Survey
Mr. Phil McGroth, District Engineer
Box 965
Farmington, New Mexico

United States Geological Survey
Mr. J. A. Anderson, Supervisor Oil & Gas Operations
Box 6721
Roswell, New Mexico

BENTEX OIL CORPORATION

BENEDUM-TREES BUILDING

PITTSBURGH 22, PA.

Please reply to:
1055 Petroleum Club Bldg.
Denver 2, Colorado

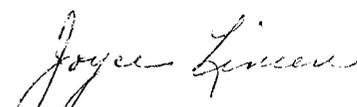
Miss Ann W. Glines
The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Dear Miss Glines:

Attached please find one copy each of the Gramma Ray-Neutron log and the Induction-Electrical log for the #1 Gov't Well in Navajo Creek Field, Section 19, Township 39 South, Range 25 East, San Juan County, Utah, and which was operated by Hiawatha Oil & Gas Company.

We are sending these logs per your request of June 22, and if there is any other information you desire on this well, please do not hesitate to write us.

Very truly yours,


Joyce Lineen

jl

Attachments (2)

WELL ELEVATIONS
WELL LOCATIONS

COVERING ENTIRE FOUR CORNERS AREA

PIPE LINE SURVEYS
LAND SURVEYS

13

FOUR STATES OIL FIELD SURVEYS

1101 LAGUNA AVE.
FARMINGTON, NEW MEXICO

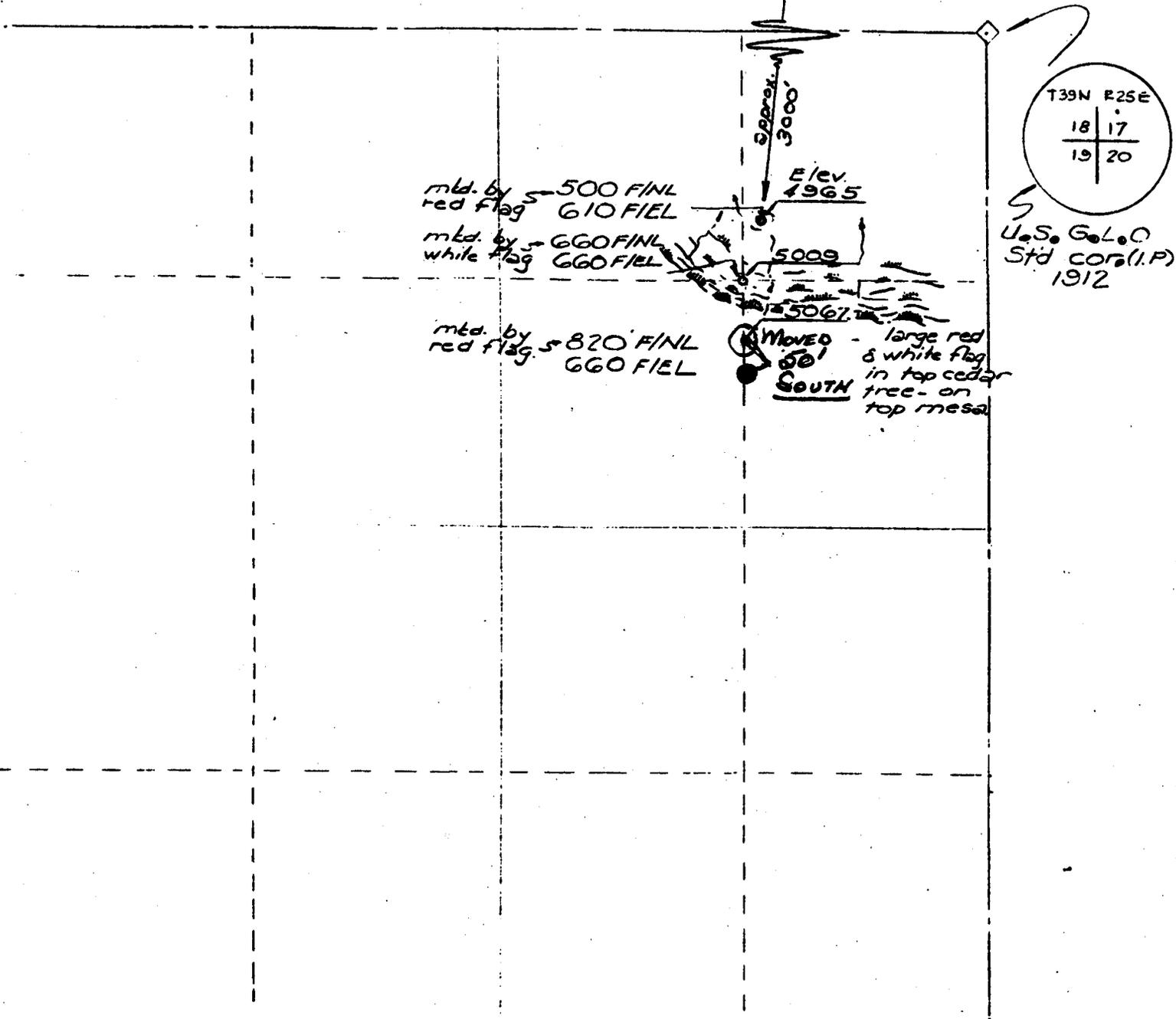
DA 5-3766
DA 5-3246

Lath nailed to fence post - lath has written on it "Approx 3400 to Loc" Lath on it & points to Loc

MAPPING RECONNAISSANCE

Hatch Trading post approx. 1.6 miles

Main road - Hatch to Cortez



Note: footages, sec. etc. are marked on each Loc. marker

elev. datum

Sea level - used U.S.C.G.S. Bench mark "G-63" elev. 4757.149

Hiawatha Oil & Gas Company
- Well location survey -
San Juan Co., Utah

scale, 1" = 400'

WELL ELEVATIONS
WELL LOCATIONS

COVERING ENTIRE FOUR CORNERS AREA

PIPE LINE SURVEYS
LAND SURVEYS

13

FOUR STATES OIL FIELD. SURVEYS

DA 5-2766
DA 5-3246

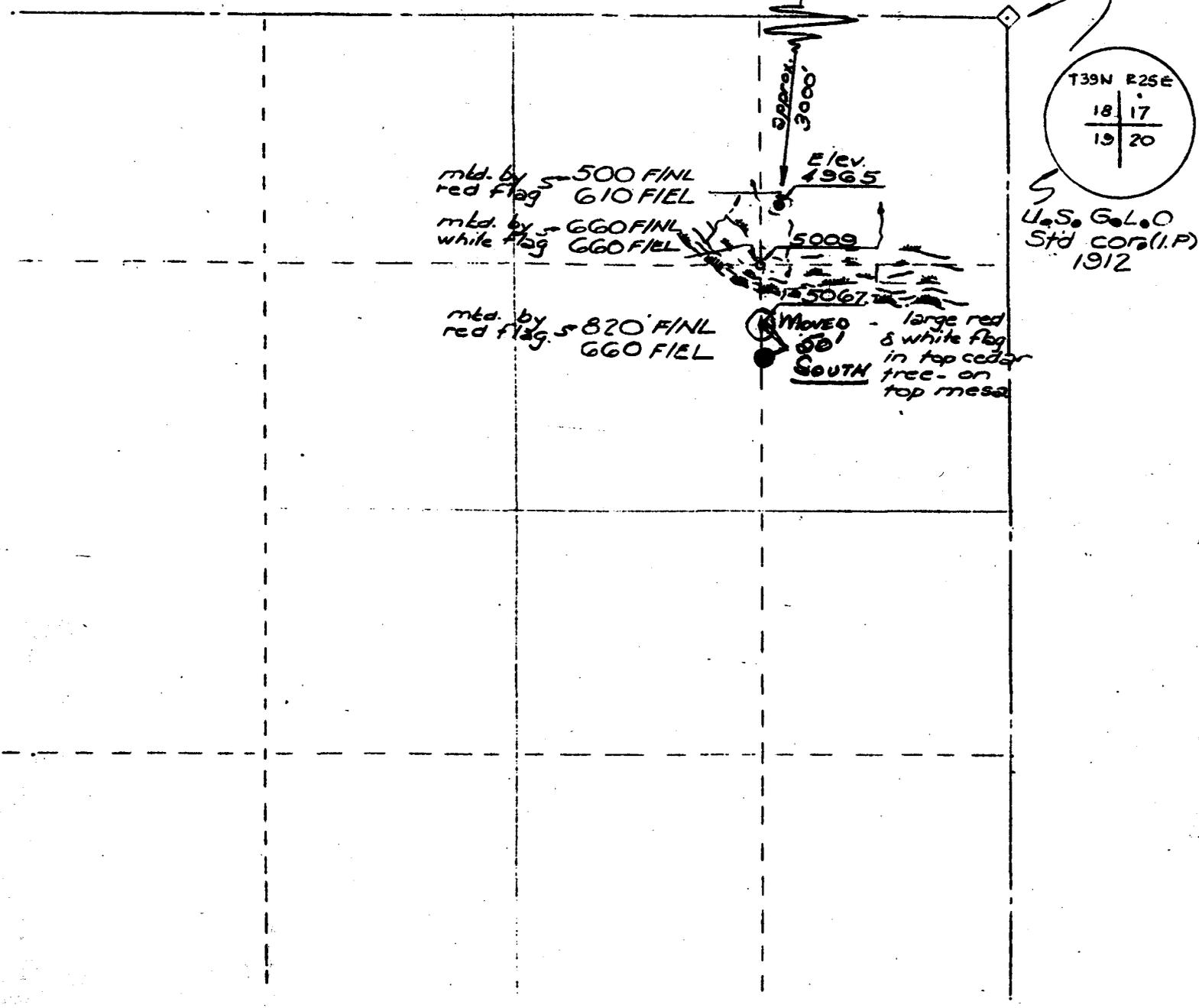
1101 LABUNA AVE.
FARMINGTON, NEW MEXICO

Lath nailed to
fence post - lath
has written on it
"Approx 3400
Lath has red
on it & points to Loc"

MAPPING
RECONNAISSANCE

Hatch Trading
Post approx.
1.6 miles

Main road -
Hatch to Cortez



Note: footages, sec. etc.
are marked on
each LOC. marker

elev. datum
Sea level - used U.S.C&G.S
bench mark "G-63" elev. 4757.149

Hiawatha Oil & Gas Company
- Well location survey -
San Juan Co., Utah

scale, 1" = 400'

HIAWATHA OIL & GAS COMPANY
DENVER, COLORADO

February 5, 1958

United States Geological Survey
Box 965
Farmington, New Mexico

Attention: Mr. Phil McGrath
District Engineer

Gentlemen:

Attached hereto please find three copies of our Subsequent Report of Abandonment in connection with our #1 Government Navajo Creek Well located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, 39 South, 25 East, San Juan County, Utah.

As soon as completed we will file our Log of Oil & Gas Well and furnish you copies of the Core Analysis. Trusting this will be in order and please advise is you wish any further information regarding the abandonment of this well.

Yours very truly,

C. R. Reglin
C. R. Reglin
Production Superintendent

rd
encls. 3

cc: Oil & Gas Conservation Commission
Salt Lake City, Utah (2 encls.)

United States Geological Survey
Roswell, New Mexico (2 encls.)

*Tried to visit this 2/13/58 -
Most Roads impassable in SE UT
Will try later. CR*

HIAWATHA OIL & GAS COMPANY

NAVAJO CREEK #1 COV'T.

SAN JUAN COUNTY, UTAH

LOCATION: NE NE, SEC. 19 (870'/NL and 660'/EL) T 39S., R25 E.
ELEVATION: 5067' Ground
CONTRACTOR: Great Western Drilling Co., Farmington, New Mexico
COMMENCED: December 30, 1957
COMPLETED: February 3, 1958
Total Depth 6245'
Casing Program: 162' of 13-3/8" casing at 175'
Cemented with 200 sacks cement with 2%
calcium chloride and 25 sacks of Tufplug.

LOGS: Schlumberger - Induction-Electric, Microlog and Gamma Ray-Neutron

TOPS:

Navajo	- 1235
Wingate	- 1622
Chinle	- 1952
Shinarump	- 2798
Moenkopi	- 2895
De Chelly	- 3085
Organ Rock	- 3120
Hermosa	- 4923
"A" Shale	- 5812
Bluff	- 5878
"B" Shale	- 6051
Desert Creek	- 6101
"C" Shale	- 6180
Salt	- 6230

CORING AND TESTING RECORD:

Core #1 "A" Shale 5820' - 5879' Cut 59' Recovered 59'

5820-25	Shale, medium gray, dense, hard, massive very argillaceous, microcrystalline.
5825-30	Shale, as above becoming increasingly shaley.
5830-35	Shale, medium to dark gray, very calcitic, incipient fractures with good gassey odor and stain.
5835-40	Shale, dark gray, platy, hard, very calcitic.
5840-45	Shale, medium to dark gray. (5842-47' abundant crinoid fragments).
5845-50	Shale, as above with calcite. No shows. Below 5847' - dark gray to black platy shale.
5850-79	Shale, hard, dark gray, brittle, conchoidal fracture to platy, softer 5875-79'.

Core #2 Bluff 5879' - 5938' Cut 59' Recovered 59'

- 5879-83 $\frac{1}{2}$ Shale, medium gray, hard, micromicaceous calcareous brachiopod.
- 5883 $\frac{1}{2}$ -84 $\frac{1}{2}$ Shale, black, soft sooty fractures, stain and odor.
- 5884 $\frac{1}{2}$ -85 $\frac{1}{2}$ Limestone, medium tan, hard, brittle, sublithographic, dense, slight trace of odor, few white anhydrite inclusions.
- 5885 $\frac{1}{2}$ -93 $\frac{1}{2}$ Limestone, white to light gray, fine crystalline, massive anhydrite with medium to dark gray-brown shale laminations.
- 5893 $\frac{1}{2}$ -94 Shale, dark gray, highly calcareous, hard brittle streaks.
- 5894-95 $\frac{1}{2}$ Limestone, medium gray, dense, very hard minute calcite inclusions, very argillaceous, no shows.
- 5895 $\frac{1}{2}$ -96 $\frac{1}{2}$ Shale, dark gray to black, hard, calcareous, conchoidal fractures.
- 5896 $\frac{1}{2}$ -5900 Limestone, medium gray, dense, hard, occasional slight odor, and stain in top foot, very argillaceous. Some dark shale partings.
- 5900-05 Anhydrite, white to light gray crystalline massive, gray shale in matrix, occasional streaks of dark gray calcareous shale up to 4" thick, bottom 1 $\frac{1}{2}$ ' becoming increasingly limy, 2 - 4" streaks. No stain or odor.
- 5905-10 Limestone, medium gray, very dense, very hard, anhydrite argillaceous with streaks and inclusions of light gray anhydrite.
- 5910-12 $\frac{1}{2}$ Limestone, as above increasing shale, some anhydrite streaks and shale partings.
- 5912 $\frac{1}{2}$ -14 Shale, dark gray, and lime interbedded (paper thin streaks.)
- 5914-38 Anhydrite, white to light gray, crystalline, massive, occasional thin shale partings.

Core #3 Bluff 5938' - 5976' Cut 38' Recovered 38'

- 5938-58 Anhydrite, white with gray crystalline, massive, some dolomite inclusions at 5949'.
- 5958-67 Limestone, gray-brown, very fine crystalline, dolomite with some crystalline calcite. Few dark gray to black minute shaley specks, fair permeability and porosity. Slight brackish odor. no shows or fluorescence (64 $\frac{1}{2}$ - 65 $\frac{1}{2}$ ' white to light gray anhydrite inclusions).
- 5967-76 Limestone, gray to brown, fine crystalline dolomite, more limy than above. No permeability or porosity (5975-76' few crinoidal fragments and calcite crystals), now shows or fluorescence.

Core #4 Bluff 5976' - 6035' Cut 59' Recovered 59'

- 5976-77 Limestone, brown to gray, sublithographic, dense with scattered coarse crystalline crinoid fragments.
- 5977-81 Limestone, dark brown-gray, very finely crystalline to microcrystalline, dense, hard and tight with a few productid brachiopods. 3" dark blue-gray chert at base.

- 5981-85 Limestone, medium brown-gray, fine to coarse crystalline with crinoid and brachiopod fragments. Few hairline subhorizontal fractures, bleeding spotty to slight stain. No visible porosity, good odor.
- 5985-89 Limestone breccia, gray, sublithographic limestone fragments up to 1" diameter in a very coarse crystalline calcite matrix. Spotty stain, light bleeding, good odor.
- 5989-94 Limestone, medium gray, very finely crystalline, slight bleeding, spotty stain, good odor. Crinoid and brachiopod fragments throughout. Some coarsely crystalline generally tight, dense, brittle, hard, less bleeding. Few horizontal fractures.
- 5994-103 Limestone, brown-gray, microcrystalline to very finely crystalline, dense, tight, occasional crinoid fragments becoming more dense in bottom. Poor spotty stain in upper part, occasional slight crack, bleeding gas.
- 6003-11 Shale, black, platy to fissile, hard.
- 6011-16 Limestone, medium gray, massive, sublithographic, hard and dense with occasional crinoid fragments.
- 6016-17 Shale, black carbonaceous, sooty, platy and lumpy.
- 6017-18 Anhydrite, white to medium gray, nodular and inter-laminated with shaley dark brown dolomite.
- 6018-23 Limestone, medium gray-green, microcrystalline, very even texture, massive, dense, hard, brittle and tight.
- 6023-35 Anhydrite, white to gray finely crystalline, massive.

Core #5 "B" Shale 6035' - 6065' Cut 30' Recovered 28½'

- 6035-50½ Anhydrite, white to light gray, finely crystalline, nodular interlaminated with medium brown to gray dolomite.
- 6050½-51 Anhydritic dolomite, medium gray to tan, finely crystalline, dense, hard.
- 6051-56½ Shale, light green to tan, silty, micaceous, massive, fair to good gassey odor.
- 6056½-63½ Shale, dark gray, micromicaceous, hard, massive, slightly calcareous.

Core #6 Desert Creek 6120' - 6180' Cut 60' Recovered 60'

- 6120-22 Anhydrite, medium gray, very fine crystalline, hard, massive.
- 6122-24 Dolomite, medium to dark gray, very fine crystalline, very dense, hard, trace of musty odor.
- 6124-34½ Dolomite, brown, gray, microcrystalline laminations, hard, dense, argillaceous, brackish odor in top, very small white anhydrite inclusions throughout shale streaks of black, hard, micromicaceous massive shale throughout.
- 6134½-38 Dolomite, gray, microcrystalline, dense massive with up to 2" light gray anhydrite modules (estimate 30% anhydrite).
- 6138-48 Anhydrite, white to medium gray fine crystalline massive to nodular, with 25% dolomite laminations as above in top 6'.

- 6148-49 $\frac{1}{2}$ Dolomite, brown to black, highly micromicaceous, hard, thin laminations of shale.
- 6149 $\frac{1}{2}$ -62 $\frac{1}{2}$ Dolomite, medium brown to gray microgranular, hard, massive, slight stain, bleeding minute beads of salt water.
- 6162 $\frac{1}{2}$ -66 Anhydrite, medium gray and white, microcrystalline, blocky, crumbly.
- 6166-79 Dolomite, brown-gray, microcrystalline to microgranular, hard, massive anhydrite crystals throughout.
- 6179-80 Shale, black, hard, dense, micromicaceous, dolomite, productids.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SALT LAKE**
Lease No. **067677**
Unit _____

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)

February 5, 19 58

Well No. **1 Gov't.** is located **870'** ft. from **{N}** line and **660'** ft. from **{E}** line of sec. **19**

NE 1/4 19 **39 South** **25 East** **SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

- Set cement plugs at intervals shown below with 50 sacs cement:

<u>Depth</u>	<u>Formation</u>
6050-6150	Desert Creek to Bluff Limestone
4850-4950	Through top of Hermosa
1900-2000	Through top of Chinle
From below up into bottom of surface casing.	

- Set 4" capped pipe marker 5' above ground in top of surface pipe and marked with "Hiawatha Oil & Gas Company, Well Navajo Creek #1 Government, NE NE Section 19-39S-25E, San Juan County, Utah."

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

Company **HIAWATHA OIL & GAS COMPANY**
Address **1055 PETROLEUM CLUB BUILDING**
DENVER 2, COLORADO
By *C. E. Reglin*
C. E. Reglin
Title **Production Superintendent**

APPROVED
SEP 11 1958
JERRY W. LONG
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

Land Office **SALT LAKE**
Lease No. **067677**
Unit _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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NOTICE OF INTENTION TO ABANDON WELL	

RECEIVED
FEB 6 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

February 5, 1958

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(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
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6050-6150	Desert Creek to Bluff Limestone
4850-4950	Through top of Hermosa
1900-2000	Through top of Chinle
From below up into bottom of surface casing.	

2. Set 4" capped pipe marker 5' above ground in top of surface pipe and marked with "Hiawatha Oil & Gas Company, Well Navajo Creek #1 Government, NE NE Section 19-39S-25E, San Juan County, Utah."

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

Company **HIAWATHA OIL & GAS COMPANY**
 Address **1055 PETROLEUM CLUB BUILDING**
DENVER 2, COLORADO

By *[Signature]*
C. K. Reglin
 Title **Production Superintendent**

APPROVED
SEP 11 1958
JERRY W. LONG
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SALT LAKE**
Lease No. **067677**
Unit

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
NOTICE OF INTENTION TO ABANDON WELL	

RECEIVED
FEB 6 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

February 5, 1958

Well No. **1 Gov't.** is located **870'** ft. from **[N]** line and **660'** ft. from **[E]** line of sec. **19**

NE 1/4 19 (1/4 Sec. and Sec. No.) **39 South** (Twp.) **25 East** (Range) **SLM** (Meridian)
Wildcat (Field) **San Juan** (County or Subdivision) **Utah** (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

- Set cement plugs at intervals shown below with 50 sacs cement:

<u>Depth</u>	<u>Formation</u>
6050-6150	Desert Creek to Bluff Limestone
4850-4950	Through top of Hermosa
1900-2000	Through top of Chinle
From below up into bottom of surface casing.	

- Set 4" capped pipe marker 5' above ground in top of surface pipe and marked with "HIAWATHA Oil & Gas Company, Well Navajo Creek #1 Government, NE NE Section 19-39S-25E, San Juan County, Utah."

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

Company **HIAWATHA OIL & GAS COMPANY**
Address **1055 PETROLEUM CLUB BUILDING**
DENVER 2, COLORADO

By *C. K. Reglin*
C. K. Reglin
Title **Production Superintendent**

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

February 6, 1958

REPLY TO
706 PATTERSON BLDG.
DENVER, COLORADO

Hiawatha Oil & Gas Company
1636 Welton Street
Denver, Colorado

Subject: Core Analysis
Government Navajo Creek No. 1 Well
Wildcat
San Juan County, Utah

Gentlemen:

Diamond coring equipment and water base mud were used to core portions of the formation penetrated in the subject well between 5820 and 6179 feet. Representatives of Hiawatha Oil & Gas Company and of Core Laboratories, Inc. selected samples of recovered formation for analysis. These samples were quick-frozen to preserve fluid content and were transported to the Farmington laboratory where analysis was made by both conventional and whole-core procedures as is indicated on the accompanying Completion Coregraph. Complete analysis results are presented in this report.

Paradox formation analyzed from 5959.5 to 5974.5 feet is characterized by low permeability and porosity in association with unfavorable residual fluid saturations and is considered to be of no commercial value in this well.

Lower Hermosa formation analyzed from 5980 to 5999 feet is considered to be of no commercial value by virtue of low permeability and porosity.

From 6150 to 6161 feet, lower Hermosa formation exhibits oil productive characteristics at the three points of analysis in the zone which exhibit measurable permeability. Because of the low productive capacity, limited productive thickness and isolated position of this zone, however, it is considered to be of little commercial value.

We sincerely appreciate this opportunity to be of service and trust that this report will prove useful in making a preliminary evaluation of the Paradox and lower Hermosa formations analyzed from the Government Navajo Creek No. 1.

Very truly yours,

Core Laboratories, Inc.


J. D. Harris, (F)
District Manager

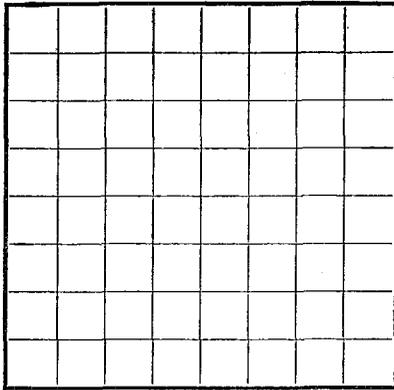
JDH:JDJ:jp

Distribution of Final Reports

2 Copies	Hiawatha Oil & Gas Company 1636 Welton Street Denver, Colorado
2 Copies	Cosden Petroleum Corporation 1510 Denver Club Building Denver, Colorado Attention: Mr. Bob Berg
3 Copies	Sunray Mid-Continent Oil Company 530 First Security Building Salt Lake City, Utah Attention: Mr. Jack Compton
3 Copies	Lion Oil Company, A Division of Monsanto Chemical Company 1130 First Security Building Salt Lake City, Utah Attention: Mr. Bill Grote
2 Copies	Texota Oil Company 318 Mile High Center Denver, Colorado
2 Copies	Reynolds Mining Corporation Box 1328 Durango, Colorado Attention: Mr. Carl Lathan
2 Copies	Three States Natural Gas Company Box 67 Farmington, New Mexico Attention: Mr. Walt Zabriskie

Form 9-330

U. S. LAND OFFICE Salt Lake
SERIAL NUMBER 067677
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Hiawatha Oil & Gas Co. Address 1055 Petroleum Club Bldg. Denver 2,
Colorado
Lessor or Tract Government Field Wildcat State Utah
Well No. 1 Gov't Sec. 19 T. 32S R. 25E Meridian Salt Lake County San Juan
Location 570 ft. N. of N. Line and 660 ft. SE. of E. Line of Section 19 Elevation 5078
(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 Veron R. Rowinski

Date February 20, 1958 Title Geologist

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

Commenced drilling December 30, 1957 Finished drilling February 3, 1958

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 1000 to 1230 No. 3, from 1950 to 2030
No. 2, from 1575 to 1680 No. 4, from 3085 to 3120

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<u>13-3/8"</u>	<u>45#</u>	<u>8 RD</u>	<u>GPI</u>	<u>162'</u>	<u>Baker</u>	<u>None</u>	<u>Set</u>	<u>175'</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>13-3/8"</u>	<u>175'</u>	<u>200 sxs. 2% caCl₂ plus</u>	<u>25 sxs. of Tufplug</u>		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

FOLD MARK

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

TOOLS USED

Rotary tools were used from 0 feet to 6245 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1020		Upper Jurassic - Var. shales & sandstones.
1020	1235	215'	San Rafael Group Sandstone
1235	1622	385'	Navajo - Sandstone, red and bluff.
1622	1952	330'	Wingate - Red-red brown sands, silts & shales.
1952	2798	846'	Chinle - Red-red brown sands and var. shales.
2798	2895	97'	Shinarump - Conglomerates, sandstones & var. shales.
2895	3085	190'	Moenkopi - Red brown and variegated shales.
3085	3120	35'	De Chelly - White to buff sandstone & conglomerate.
3120	4923	1803'	Organ Rock - Red to variegated sandy shales & silts.
4923	6230	1307'	Hermosa - Light tan limestone, white anhydrites and red to variegated shales.
6230	6245	15'	Salt

HIAWATHA OIL & GAS COMPANY
DENVER, COLORADO

February 20, 1958

United States Geological Survey
Box 965
Farmington, New Mexico

Attention: Mr. Phil McGrath
District Engineer

Gentlemen:

By attachment we are forwarding two copies of Log of Oil and Gas Well and two copies of the Coring and Testing Record as well as two copies of a corrected town plat in connection with our #1 Government Navajo Creek Well located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 19, 39 South, 25 East, San Juan County, Utah.

We have requested the Core Laboratories office here in Denver to forward two copies of their analysis to your office which should have arrived by this time. If any further information is needed on this well, please advise at once.

Yours very truly,

Vernon R. Drwenski
Vernon R. Drwenski

ps

attachments - 6

cc: Oil & Gas Conservation Commission
Salt Lake City, Utah (6 attach's.)

United States Geological Survey
Roswell, New Mexico (6 attach's.)

FEB 24 1958

APPROVED
MAY 12 1958
BILLY J. SHODGER
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SALT LAKE**
Lease No. **067677**
Unit _____

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

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

May 7, 1958

Well No. **1 Gov't.** is located **870** ft. from **N** line and **660** ft. from **E** line of sec. **19**
NE 1/4 19 **39 South 25 East SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wilcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

- Our reason for this notice and request for approval is that this well has proved to be dry. No formations tested. No commercial oil or gas shows encountered.
- Plan to set cement plugs at intervals shown below with 200 sacks cement (50 sacks cement at following intervals), as per oral instructions received in your Farmington office.

Depth	Formation
6050-6150	Desert Creek to Bluff Limestone
4850-4950	Through top of Marmosa
1900-2000	Through top of Chinle
From below up into bottom of surface casing.	

- Plan to set 4" capped pipe marker 5' above ground in top of surface pipe and marked with "Hiawatha Oil & Gas Company, Well Navajo Creek #1 Government, NENE Section 19-39S-25E, San Juan County, Utah.

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

Company **HIAWATHA OIL & GAS COMPANY**
 Address **1055 Petroleum Club Building**
Denver 2, Colorado
 By *C. R. Reglin*
C. R. Reglin
 Title **Production Superintendent**

Land Office **SALT LAKE**
Lease No. **067677**
Unit _____

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPROVED
MAY 12 1958
BILLY L. SHARPER
ACTING DISTRICT ENGINEER

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	SUBSEQUENT REPORT OF CASING DETAIL X

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

May 7, 1958

Well No. **Gov't.** is located **870** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **19**

NE 1/4 19 **39 South 25 East** **SLM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

Casing Details: Set 162' new casing, 13-3/8" of 45#, cemented with 200 sacks cement with 2% calcium chloride and 25 sacks of Tufplug.

Tested with 800# pump pressure for thirty minutes - no loss in pressure.

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

Company **MAWATNA OIL & GAS COMPANY**
Address **1055 Petroleum Club Building**
Denver 2, Colorado

By 
C. R. Reglin
Title **Production Superintendent**

APPROVED
MAY 12 1958
BILLY J. SHOGER
ACTING DISTRICT ENGINEER

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **SALT LAKE**
Lease No. **067677**
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO ABANDON WELL	

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

May 7, 19 58

Well No. **1 Gov't.** is located **870** ft. from **{N}** line and **660** ft. from **{E}** line of sec. **19**
~~NE1/4~~ **19** **39 South 25 East SLM**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat **San Juan** **Utah**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

- Our reason for this notice and request for approval is that this well has proved to be dry. No formations tested. No commercial oil or gas shows encountered.
- Plan to set cement plugs at intervals shown below with 200 sacks cement (50 sacks cement at following intervals), as per oral instructions received in your Farmington office.

Depth	Formation
6050-6150	Desert Creek to Bluff Limestone
4850-4950	Through top of Hermosa
1900-2000	Through top of Chinle
From below up into bottom of surface casing.	

- Plan to set 4" capped pipe marker 5' above ground in top of surface pipe and marked with "Hiawatha Oil & Gas Company, Well Navajo Creek #1 Government, NENE Section 19-39S-25E, San Juan County, Utah.

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

Company **HIAWATHA OIL & GAS COMPANY**
 Address **1055 Petroleum Club Building**
Denver 2, Colorado
 By *C. R. Reglin*
C. R. Reglin
 Title **Production Superintendent**

APPROVED

MAY 12 1958

BILLY L. SHAFER
ACTING DISTRICT ENGINEER

Budget Bureau No. 42-R358.4
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office **SALT LAKE**

Lease No. **067677**

Unit

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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	
NOTICE OF INTENTION TO ABANDON WELL		SUBSEQUENT REPORT OF CASING DETAIL	X

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

May 7, 1958

Well No. **Gov't.** is located **870** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **19**

NE 1/4 19
(1/4 Sec. and Sec. No.)

39 South 25 East
(Twp.) (Range)

SLM
(Meridian)

Wildcat
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is **5067** 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)

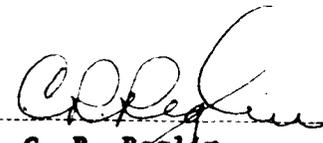
Casing Details: Set 162' new casing, 13-3/8" of 45#, cemented with 200 sacks cement with 2% calcium chloride and 25 sacks of Tufplug.

Tested with 800# pump pressure for thirty minutes - no loss in pressure.

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

Company **HLAWATHA OIL & GAS COMPANY**

Address **1055 Petroleum Club Building**
Denver 2, Colorado

By 
C. R. Reglin
Title **Production Superintendent**

HIAWATHA OIL & GAS COMPANY
DENVER, COLORADO

May 15, 1958

U. S. G. S.
Box 6721
Attn: Mr. J. A. Anderson
Supervisor Oil & Gas Operations
Roswell, New Mexico

Oil & Gas Conservation Commission ✓
State of Utah
Room 140
State Capitol Building
Salt Lake City, Utah

Reynold Mining Corporation
Box 1328
Durango, Colorado

Three States Natural Gas Company
Durango, Colorado

Mr. E. B. Wasson
Cosden Petroleum Corporation
1510 Denver Club Building
Denver 2, Colorado

Lion Oil Company
1310 Denver Club Building
Denver 2, Colorado

Mr. J. O. Tomkins
Sunray Mid-Continent Oil Co.
530 First Security Building
Salt Lake City 11, Utah

Texota Oil Company
318 Mile High Center Building
Denver 2, Colorado

Gentlemen:

Enclosed herewith please find photostatic copies of the Federal forms
"Subsequent Report of Casing Detail" and "Notice of Intention to Abandon
Well" which have been approved and which cover the Navajo Creek No. 1
Government Well located NE NE Sec. 19, T 39S, R 25E, San Juan County,
Utah.

Very truly yours,


C. L. Severy
Mgr. Rocky Mtn. Division

ps

Enclosures

cc: Mr. J. R. Wylie, Jr.

HIAWATHA OIL & GAS COMPANY
DENVER, COLORADO

September 15, 1958

U. S. G. S.
Box 6721
Attn: Mr. J. A. Anderson
Supervisor Oil & Gas Operations
Roswell, New Mexico

Oil & Gas Conservation Commission
State of Utah
Room 140
State Capitol Building
Salt Lake City, Utah

Reynolds Mining Corporation
Box 1328
Durango, Colorado

Three States Natural Gas Company
Durango, Colorado

Mr. E. B. Wasson
Cosden Petroleum Corporation
1510 Denver Club Building
Denver 2, Colorado

Lion Oil Company
1310 Denver Club Building
Denver 2, Colorado

Mr. J. O. Tomkins
Sunray Mid-Continent Oil Co.
530 First Security Building
Salt Lake City 11, Utah

Texota Oil Company
318 Mile High Center Building
Denver 2, Colorado

Gentlemen:

By attachment we are forwarding photostatic copies of the Federal forms "Subsequent Report of Abandonment" which has been approved on September 11, 1958, and which cover the Navajo Creek Well No. 1 Government located in Section 19, Township 39 South, Range 25 East, San Juan County, Utah.

Very truly yours,

HIAWATHA OIL & GAS COMPANY


C. L. Severy
Mgr. Rocky Mtn. Division

ps

Enc.

cc: Mr. J. R. Wylie, Jr.