

Plugged & Abandoned 5-64

Re-Work (Connected to gas line & started producing 1-11-62)

FILE NOTATIONS	
Entered in NID File	8-19-57
Entered On S R Sheet	_____
Location Map Pinned	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>
IWR for State or Fee Land	_____
Checked by Chief	_____
Copy NID to Field Office	<input checked="" type="checkbox"/>
Approval Letter	<input checked="" type="checkbox"/>
Disapproval Letter	_____
COMPLETION DATA:	
Date Well Completed	10-7-57
OW _____ WW _____ TA _____	Location Inspected _____
GW <input checked="" type="checkbox"/> OS _____ PA _____	Bond released _____
	State of Fee Land _____
LOGS FILED	
Driller's Log	10-28-57
Electric Logs (No. )	_____
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others _____	

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	3-14-53
OW _____ WW _____ TA _____	Location Inspected _____
GW _____ OS _____ PA <input checked="" type="checkbox"/>	Bond released _____
	State of Fee Land _____
LOGS FILED	
Driller's Log	<input checked="" type="checkbox"/>
Electric Logs (No. )	2
E <input checked="" type="checkbox"/> I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others <u>Radioactivity</u>	
<u>Subsequent Report of Abandonment</u>	

Land Office Salt Lake City

Lease No. U-0574

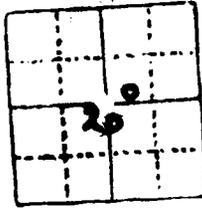
Unit South Curay

(SUBMIT IN TRIPLICATE)

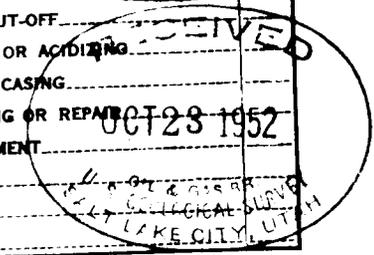
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER  
*cc-1 operator*

SUNDRY NOTICES AND REPORTS ON WELLS



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



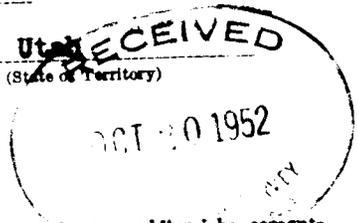
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 14, 19 52

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 (4 Sec. and Sec. No.)  
9S (Twp.) 20E (Range) SLM (Meridian)  
Wildcat (S. Curay) (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4770 ft. (Approx.)



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)

6000' Test.

500', 10-3/4", N-40, 32.75#, 8-round thread, guide shoe and float collar, cemented from 0' to 500'.

Oil string(if necessary). 7", 23 & 26# N-80 casing, cemented for completion completion with 6000# test well head equipment to be used.

Baroid Mud Logging Unit from 1000' to total depth.  
Will core and test all substantial shows of oil and gas.  
Electric log from bottom of surface pipe to total depth.  
Estimated horizon tops: Uinta - surface  
Green River - 1750 feet  
Wasatch - 5200 feet

(APPROVAL IS CONDITIONAL UPON COMPLIANCE WITH THE TERMS ATTACHED HERETO)

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

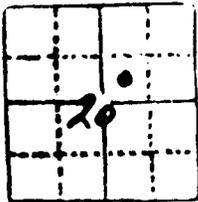
Company Sun Oil Company ~~Continental Oil Company~~

Address P. O. Box 903

Salt Lake City, Utah

By \_\_\_\_\_

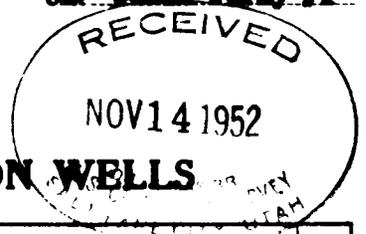
Title District Geologist



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake City  
Lease No. W-057A  
Unit South Ogrey #2



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 REDRILLING 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.....	<u>Subsequent Report of Drill Stem Tests</u>	<u>X</u>

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

November 13, 19 52

Well No. 2 is located 2130 ft. from NE line and 1820 ft. from E line of sec. 20

SW NE Section 20      9S      20E      SLM  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
Wildcat (S. Ogrey)      Utah      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is 4770 ft. Approx.

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 following Drill Stem Tests were taken for the purpose of determining the possibility of a shallow water supply:

- DST #1: 105'-160', Open 1 hour; slight blow for 2 minutes and died. Recovered 60' drilling mud. Pressures 0-0#.
- DST #2: 176'-185', Open 30 minutes; slight blow for 2 minutes. Recovered 130' drilling mud (packer leaked for approximately 2 minutes at beginning of test). Pressures 0-0#.

The viscosity of the drilling mud recovered on both tests was approximately the same as the fluid in the hole.

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

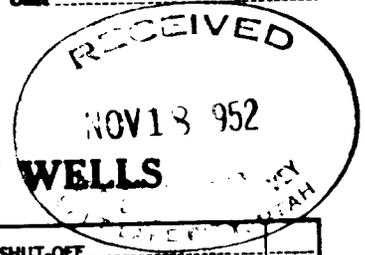
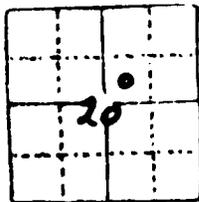
Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

Approved NOV 14 1952  
H. C. Seville  
Title District Geologist

Lead Office Salt Lake City  
Lesse No. U-0574  
Unit South Oquirrh #2

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CASPER



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 REDRILLING 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	<b>Subsequent Report of Drill Stem Test X</b>

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

November 15, 19 52

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (S. Oquirrh) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 #3: 472' - 480', Open 33 minutes; strong blow immediately; died gradually. Dead in 20 minutes. Shut in 15 minutes. Recovered 428 feet of drilling mud. IFF O#, FFP O#, BHSIP O#, NH 200#.

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By James R. Burkard  
Title Geologist

Approved NOV 21 1952  
(Orig. Sgd.) H. C. Scoville

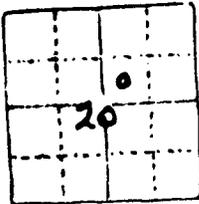
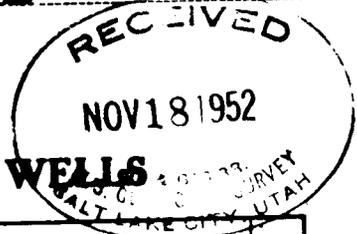
District Engineer

Lead Office Salt Lake City  
Lease No. U-0574  
Unit South Uray #2

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER



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 <del>REPAIRING</del> CASING.....	<b>X</b>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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)

November 17, 1952

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20  
SW NE Section 20 9S 20E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat ( S. Uray ) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 1117 feet.  
 Survey - 3/4" at 1060 feet.  
 Reamed to 776 feet with 13 3/4" bit.  
 Ran 22 joints 10 3/4", H-40, 3.75#, 8 round thread casing.  
 Guide shoe at 776 feet.  
 Top of float collar at 733 feet.  
 Cemented with 400 sx regular cement.  
 Wt. of Slurry 15.5#. Circ. 25 sx cement.

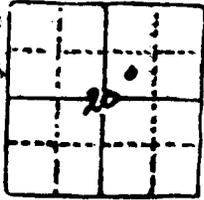
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company  
 Address P. O. Box 903  
Salt Lake City, Utah

By James R. Burkhead  
 Title Geologist

Approved NOV 16 4 1952  
 (Orig. Sgd.) [Signature]

District Engineer



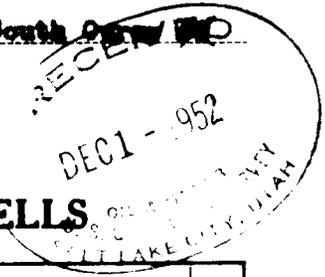
(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-057a

Unit South Ogden No. 1



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 REDRILLING 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.....	<u>Subsequent report of Drill Stem Test I</u>

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

November 28, 19 52

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20  
(1/4 Sec. and Sec. No.)

9S - 20E  
(Twp.) (Range)

SLM  
(Meridian)

Wildcat (S. Ogden)  
(Field)

Utah  
(County or Subdivision)

Utah  
(State or Territory)

Approx

The elevation of the derrick floor above sea level is 4770 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 #4: 1890' - 1952', Open 1 1/2 hours, Shut-in 15 minutes; fair blow immediately, died in 15 minutes; began to blow again in 50 minutes, had a fair blow for 38 minutes. Pressures 0-0#, HH 900#. Recovered 10 feet rathole mud.

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By [Signature]

Approved DEC - 1 1952

Title District Geologist

(Orig. Sgd.) H. S. Seoville

ORIGINAL FORWARDED TO CASPER

District Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-0574  
UNIT South Ouray #2

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Wildcat (South Ouray)

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1952,

Agent's address P. O. Box 903 Company Sun Oil Company  
Salt Lake City, Utah Signed Frank T. Neighbor

Phone 5-6211 Agent's title District Geologist

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>SW NE Section</b>	<b>9S</b>	<b>20E</b>	<b>2</b>							The well was spudded at 10:30 a.m. Nov. 11, 1952 and drilled shales and sandstone of the Uinta formation from 0 to 1682 feet (tentative top). From 1682 to 2593 feet dark gray to brown marlstone with a few thin streaks of sandstone was drilled. Drill Stem Tests 1, 2, and 3 were taken before setting surface pipe in an effort to find a water sand sufficient for drilling purposes. Drill Stem Tests 4 and 5, as previously reported, were taken to determine the possibility of oil or gas as indicated on our mud logging unit. Core #1 from 1920 to 1952 feet recovered 32 feet, and Core #2 from 2414 to 2448 feet recovered 34 feet of shale and marlstone. 10 3/4" surface casing was cemented at 1117 feet with 400 sacks.

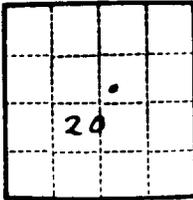
RECEIVED  
DEC 2 - 52

ORIGINAL FORWARDED TO CASPER

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No 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 9-221a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-0574

Unit South Uray #5

DEC 2 - 1952

ORIGINAL FORWARDED TO CASPER

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.....	<b>Subsequent Report of Drill Stem Test I</b>

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

December 1, 1952

Well No. 2 is located 2130' ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 (1/4 Sec. and Sec. No.) 9S (Twp.) 20E (Range) SLM (Meridian)  
Wildcat (S. Uray) (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 #5: 2562' - 2593', Open 1 hour, Shut-in 20 minutes; strong blow. Recovered 100' heavily oil and gas cut mud, 1170' salt water (35,000 PPM chlorides). FP 400-600#, SIP 825#, MH 1250#.

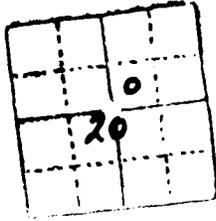
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By [Signature]  
Title District Geologist

Approved 12-2-52

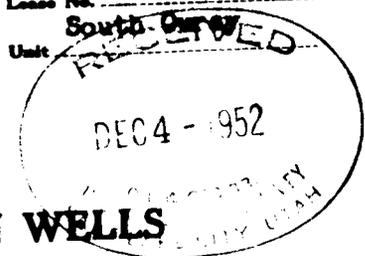
District Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office U-057a  
Lesse No. South Oury  
Unit RECEIVED



ORIGINAL FORWARDED TO CASPER

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 REDRILLING 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	Subsequent report of Drill Stem Test	<input checked="" type="checkbox"/>

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

December 3, 1952

Well No. 2 is located 2130 ft. from N line and 1820 ft. from W line of sec. 20  
SW NE Section 20 9E 20E SLM  
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian) (State or Territory)  
Wildcat (South Oury) Uintah Utah  
(Field) (County or Subdivision)

The elevation of the derrick floor above sea level is Approx. 4770 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)

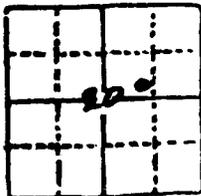
DST #6: 2833' - 3033', Good blow, no gas. Open 30 minutes, Shut-in 15 minutes. Recovered 193' drilling mud.  
 FP 0-0#, SIP 350#, HH 1650#.

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

Company Sun Oil Company  
 Address P. O. Box 903  
Salt Lake City, Utah  
 By \_\_\_\_\_  
 Title District Geologist  
 Approved DEC - 4 1952

*H.C. Gooch*

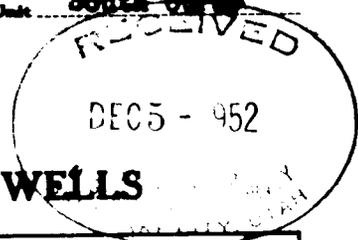
Form 9-521a  
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lead Office Salt Lake City  
Lease No. B-057h  
Unit South Ogden



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.....
NOTICE OF INTENTION TO ABANDON WELL.....	<b>Subsequent Report of Drill Stem Test X</b>

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

December 4, 1952

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20      96      20E      SLM  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

Wildcat (South Ogden)      Uintah      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 #7: 3040' - 3113', Open 1 hour, Shut-in 15 minutes; weak blow throughout test.  
Recovered 110' fairly heavy oil cut mud.  
IFP 100#, FFP 100#, SIP 300#, HH 1700#.

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

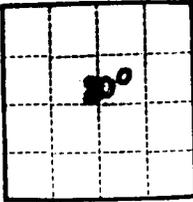
By James R. Richard

Title Geologist

Approved DEC 5 1952

(Orig. Sgd.) H. G. Scoville

ORIGINAL FORWARDED TO USOPEN



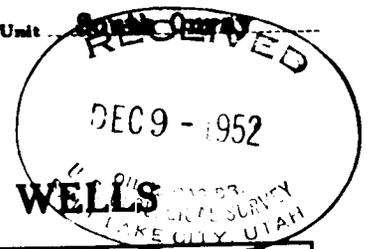
(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake City**

Lease No. **U-0574**

Unit **South Uray**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CASPER



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.....	<b>Subsequent Report of Drill Stem Test. X</b>

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

December 7, 1952

Well No. **2** is located **2130** ft. from ~~XXX~~ <sup>[N]</sup> line and **1820** ft. from ~~XXX~~ <sup>[E]</sup> line of sec. **20**

**SW NE** Section **20**  
(1/4 Sec. and Sec. No.)

**95**  
(Twp.)

**20E**  
(Range)

**SLM**  
(Meridian)

**Wildcat (South Uray)**  
(Field)

**Uintah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **4770** ft. **Approx.**

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 #9: 3446' - 3526', Open 1 hour, shut-in 15 minutes; weak blow. Recovered 30' slightly oil and gas cut drilling mud. FP 0-0#, SIP 0#, HH 1850#.**

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

Company **Sun Oil Company**

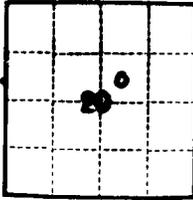
Address **P. O. Box 903**

**Salt Lake City, Utah**

By **James R. Richard**  
Title **Geologist**

Approved **DEC 15 1952**

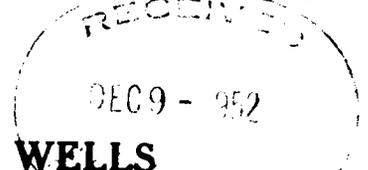
(Orig. Sgd.) **H. C. Coville**  
District Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake City  
Lease No. U-057a  
Unit South Oquir



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.....	<b>Subsequent Report of Drill Stem Test X</b>

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

December 5, 1952

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oquir) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4770 ft. **Approx.**

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)

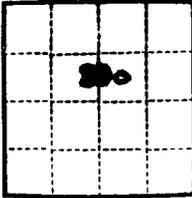
DST #8: 3346' - 3365', Open 45 minutes, shut-in 15 minutes; strong blow.  
Recovered 1955' gas cut salt water (3000 PPM);  
45' rathole mud.  
FP 360# - 900#, SIP 1680#, HH 1760#.

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

Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By James R. Burkhead  
Title Geologist

Approved DEC 15 1952  
(Orig. Sgd.) H. C. Scoville  
District Engineer



(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-9574  
Unit South Ogrey

ORIGINAL FORWARDED TO CASPER



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.....	<b>Subsequent Report of Drill Stem Test I</b>

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

December 17, 1952

Well No. 2 is located 2130 ft. from NS line and 2820 ft. from EW line of sec 20

SW NE Section 20 (4 Sec. and Sec. No.)      9S (Twp.)      20E (Range)      31M (Meridian)  
Wildcat (South Ogrey) (Field)      Utah (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 4770 ft. **Approx.**

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)

**DSF #10: 454' - 466', Open 1 hour, shut-in 15 minutes;  
Recovered 100' slightly oil and gas cut  
mud.  
IFP O#, FFP O#, BHSIP O#, HH 2550#.**

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

Company Sun Oil Company

Address P. O. Box 903

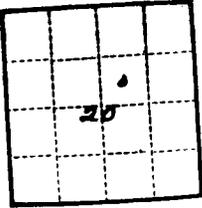
Salt Lake City, Utah

By James R. Eichel  
Title Geologist

Approved DEC 18 1952

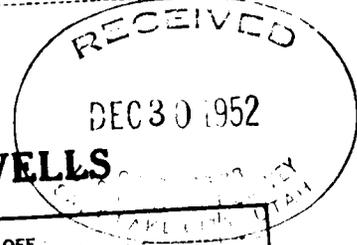
(Orig. Sgd.) H. C. Scoville

District Engineer



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

Budget Project G-2211.1  
Approved expires 12-31-52  
Land Office Salt Lake  
Lease No. U-0574  
Unit South Oquir



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	<u>Subsequent Report of Drill Stem Test I</u>

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

December 29, 19 52

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SE NE Section 20  
(1/4 Sec. and Sec. No.)  
9S (Twp.) 20E (Range) SLM (Meridian)  
Wildcat (South Oquir) (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4770 ft. Approx.

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 #11: 6072' - 6103', Open 1 hour, shut-in 20 minutes; 1/2" choke on bottom, 1" choke on flowline; wet gas to surface in 6 minutes; estimated flow 500 MCF. Recovered 200' heavily gas cut and slightly oil cut mud.  
FP 0#, FFP 0#, SIP 2300#, HH 3450#.

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

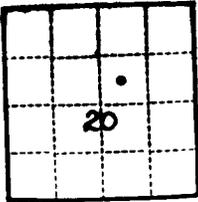
Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By James R. Burkard  
Title Geologist

12-30-52  
H. Seville  
District Engineer

U. S. GOVERNMENT PRINTING OFFICE 16-4437-4  
ORIGINAL FORWARDED TO CASPER

Form 2-5-52  
(24, 28)

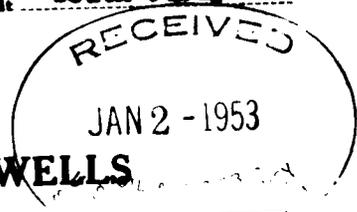


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Project 02-2000  
Approval expires 12-31-52

Lead Office Salt Lake City  
Lease No. U-0574  
Unit South Oquir



ORIGINAL FORWARDED TO CASPER

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	Subsequent Report of Drill Stem Test X

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

December 31, 1952

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wilcox (South Oquir) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 #12: 6095' - 6123', Open 1 hour, shut-in 30 minutes; weak blow becoming fair to strong blow. Wet gas to surface in 8 minutes. *too small to measure*  
Recovered 200' slightly gas cut drilling mud.  
FP 0-0#, SIP 2350#, HH 3375#.

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

Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By James R. Burkard  
Title Geologist

Approved JAN 7 - 1953  
(Orig. Sgd.) H. C. Scoville  
District Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-0574  
UNIT South Oway

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Wildcat (South Oway)

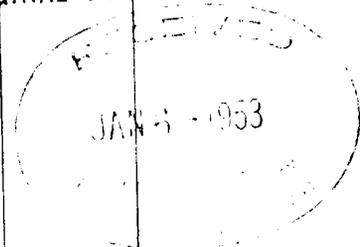
The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1952,

Agent's address P. O. Box 903 Company Sun Oil Company  
Salt Lake City, Utah Signed James R. Beckard

Phone \_\_\_\_\_ Agent's title Geologist

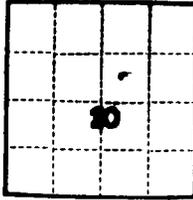
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
SW NE Sec. 20	9S	20E	2							<p>Drilled from 2593 feet to 5228 feet in shale gray and brown, <u>marlstone</u> gray to brown, <u>limestone</u> brown and gray, and some sandstone</p> <p>Drilled from 5228 feet (Tent. top T Wasatch) to 6103 feet in shale gray, brown, maroon to variegated green, brown sandstone buff to white</p> <p>Core #3: 6103' - 6123' Rec. 20 feet sandstone.</p> <p>Drilled 6123 feet to 6194 feet, shale variegated. DST # 5, 6, 7, 8, 9, 10 -- no commercial show. DST #11: 500 MCF wet gas. DST #12: no commercial show.</p>

ORIGINAL FORWARDED TO CASPER



NOTE.—There were no runs or sales of oil; no M. cu. ft. of gas sold; no runs or sales of gasoline during the month. (Write "no" where applicable.)

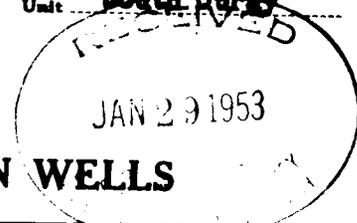
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CROPER

Land Office Salt Lake  
 Lease No. U-0574  
 Unit South Oquirrh



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	<u>Subsequent Report of Drill Stem Test I</u>

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

January 28, 1953

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oquirrh) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

Approx.

The elevation of the derrick floor above sea level is 4770 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 #13: 8075' - 8113' Strong blow in 2 minutes. Gas to surface in 10 minutes. Burned 7' flame through open 2" flow line. Gas too small to measure. Rec. 220' gas cut mud. Open 2 hours, shut-in 30 minutes. FP 200# - 200#, SIP 4700#, HH 5200#.

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By \_\_\_\_\_

Approved JAN 29 1953  
(Orig. Sgd.)

Title District Geologist

*HES*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-0574  
UNIT South Oway

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Wildcat (South Oway)

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1953,

Agent's address P. O. Box 903 Company Sun Oil Company  
Salt Lake City, Utah Signed James R. Burkard

Phone 5-6211 Agent's title Geologist

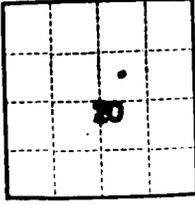
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCTION	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<b>SW NE Sec. 20</b>	<b>9S</b>	<b>20E</b>	<b>2</b>							<p>Drilled from 6194' to 8085' in shale, generally variegated gray, green, and maroon. Some brick red Scattered lenses of sandstone, white to red, fine, arkosic. Traces of gilsonite &amp; anhydrite. Some thin lenses of coal in lower half of section. 8085' to 8113' drilled sandstone, white to "salt and pepper", gray, fine to coarse, sub-angular to angular, good show of gas. DST #13: 8075'-8113', Sweet, dry gas to surf burned 7' flame on 2" open line. Vol. too small to measure. Drilled 8113' - 8280' in shale, gray and variegated, some thin lenses of sandstone and siltstone.</p>

NOTE.—There were No runs or sales of oil; No M. cu. ft. of gas sold;

No 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 9-221a  
(Feb. 1951)

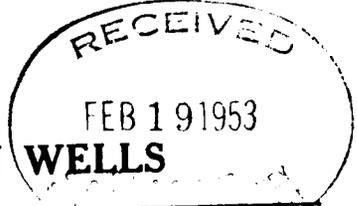


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0574  
Unit South Ouray

ORIGINAL FORWARDED TO CASPER



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.....	<b>Subsequent Report of Drill Stem Test. X</b>

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

February 18, 1953

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20      9S      20E      SLM  
(¼ Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

Wildcat (South Ouray)      Uintah      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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)

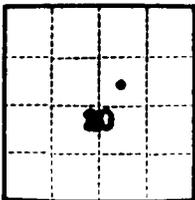
DST #14: 9355' - 9380', Open 1 hour, shut-in 15 minutes. Air to surface immediately. Gas to surface in 15 minutes; burned 12 to 15 foot flame. 1000' water cushion. Rec. 7720 feet drilling mud, 1000 feet water cushion, all heavily gas cut. *drill pipe leak* FP 600#, SIP 2200#, no HH.

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

Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By *Lewis J. Wells*  
Title Geologist

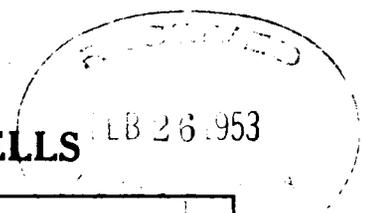
Approved 2-19-53  
*H. S. Swille*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0574  
Unit South Oquirrh



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 PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<b>Subsequent Report of Drill Stem Test I</b>

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

February 25, 1953

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E 31M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oquirrh) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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 #15: 9833' - 9868', Open 1 hour 30 minutes, shut-in 15 minutes. Slight blow immediately; after 40 minutes increased to fairly strong blow continuing throughout test. No gas to surface. Rec. water cushion and 60' gas cut mud. IFP 920#, FFP 920#, SIP 1100#, HH 6000#.

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

Company Sun Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah

By James R. Baird  
Title Geologist

APPROVED FEB 26 1953  
(Orig. Sgd.) H. S. Seville  
District Engineer

U. S. GOVERNMENT PRINTING OFFICE: 1950 O 485420  
ORIGINAL FORWARDED TO USGEO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City  
LEASE NUMBER U-0574  
UNIT South Oquir

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Wildcat (South Oquir)

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1953,

Agent's address P. O. Box 903 Company Sun Oil Company  
Salt Lake City, Utah Signed James R. Burkard  
Phone 5-6211 Agent's title Geologist

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)
SW NE Sec. 20	9S	20E	2							<p>Drilled from 8280 feet to 8700 feet in sandstone, "salt &amp; pepper" texture with some interbedded shale, gray &amp; varicolored. Drilled from 8700 feet to 9320 feet in shale, varicolored in upper part to gray &amp; dark gray lower, with some interbedded sandstone, white medium grained, calcareous. 9320 feet to 9400 feet - drilled sandstone, white, med. to fine grained, fair sorting with some shale as above. DST #14: 9355-9380', gas to surface in 15 min., burned 10' flame on 2" open line. Drilled from 9400 feet to 9540 feet in shale, light to dark gray. 9540 feet to 9870 feet in sandstone, white, fine to med., &amp; shale, varicolored gray and black. DST #15: 9833' - 9868', no shows. Drilled 9870 feet to 10,110 feet in shale, lt to drk gray w/lenses of sandstone</p>

ORIGINAL FORWARDED TO OFFICE

Note.—There were No runs or sales of oil; No M. cu. ft. of gas sold; No 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.

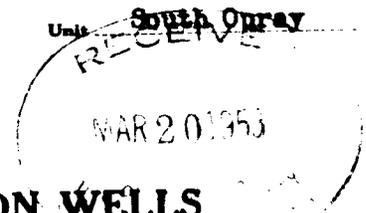
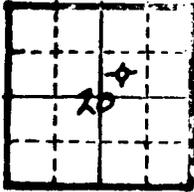
Land Office Salt Lake City

(SUBMIT IN TRIPLICATE)

Lease No. U-0574

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Unit South Uray



ORIGINAL FORWARDED TO CASPER

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 REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
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)

March 19, 1953

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 (4 Sec. and Sec. No.) 9S (Twp.) 20E (Range) SLM (Meridian)  
Wildcat (South Uray) (Field) Uintah (County or Subdivision) Utah (State or Territory)

Approx.

The elevation of the derrick floor above sea level is 4770 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 well was plugged and abandoned as a dry hole after drilling to a total depth of 10,498 feet (electric log 10,497 feet). As indicated on "Notice of Intention to Abandon Well" the following plugs were cemented:

- 9380' - 9318' 25 sacks
- 8110' - 8048' 25 sacks
- 6140' - 6053' 35 sacks
- 3380' - 3318' 25 sacks
- 2900' - 2838' 25 sacks
- 790' - 703' 35 sacks
- Surface - 10 sacks with a 4' marker.

The plugs were down and the well abandoned at 10:30 p.m., March 14, 1953

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By \_\_\_\_\_

Approved OCT 21 1953

Title District Geologist

*George H. Dyer*  
Acting District Geologist

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. FEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

March 16, 1953

505 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
FRANK NEIGHBOR  
GEOLOGIST



Mr. H. C. Scoville  
District Engineer  
United States Geological Survey  
306 Federal Building  
Salt Lake City, Utah

U-0574

Dear Sir:

The following is the weekly report for March 8 to March 14, 1953, for the Sun Oil Company #2 South Ouray Unit, SW NE Section 20, Twp. 9S., Rge. 20E., SLM, Uintah County, Utah:

- March 8 -- Total depth 10,378 feet. Coring.
- March 9 -- Total depth 10,390 feet. Coring.  
CORE #4: 10,328' - 10,378', Rec. 50' essentially black carbonaceous shale with about 6' siltstone in center of core. 2" coal beds scattered throughout core. Some interbedded sandstone. At 10,346' to 10,349' fractured shale with calcite.
- March 10 -- Total depth 10,426 feet. Coring.
- March 11 -- Total depth 10,447 feet. Coring.  
CORE #5: 10,378' - 10,425', Rec. 47' - 2' dark gray carbonaceous shale, slightly silty and dense, streaks lignite; 2' black dense shale, lignitic; 2' dark gray silty shale; 13' gray, dense siltstone with gray shale and coal; 9' dark gray shale, hard and dense; 16' dark gray silty shale with thin partings gypsum; 3' gray siltstone, dense.
- March 12 -- Total depth 10,484 feet. Coring.  
CORE #6: 10,425' - 10,484', Rec. 59' - 1.5' siltstone, gray, very tight, dense; 14' shale, dark gray, carbonaceous, medium soft, frequent partings coal; 1.5' shale, gray, silty, hard and slightly micaceous; 7' shale, dark gray to black, carbonaceous; 1.5' siltstone, gray, hard, dense, very thin streaks carbonaceous shale; 3.5' shale, black, carbonaceous, partings coal

3' siltstone, gray, hard and dense, interspersed partings coal; 4' shale, gray, silty, hard; 6' shale, black, carbonaceous, medium hard, frequent partings coal; 2' shale, gray, silty, hard, dense, slightly micaceous; 15' siltstone, gray, hard, very tight, few coal partings.

March 13 -- CORE #7: 10,484' - 10,498', Rec. 14' - 11' sandstone, gray, fine to medium fine grained, slightly calcareous, slightly micaceous; 3' shale, dark gray to black, carbonaceous, medium hard.

March 14 -- Running logs. Prep. to abandon.

Yours very truly,

Frank Neighbor  
District Geologist

FN:le

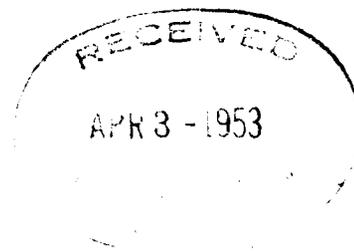
cc: Mr. G. E. Jacober  
Mr. J. A. Prather

**PLUGGING PROGRAM FOR SUN-CONTINENTAL SOUTH OURAY UNIT #2**

The plugging program for abandonment of the Sun-Continental South Ouray Unit #2 was as follows. All plugs were set by the Halliburton Oil Well Cementing Company.

9380' - 9318'	. . . . .	25	sacks
8110' - 8048'	. . . . .	25	sacks
6140' - 6053'	. . . . .	35	sacks
3380' - 3318'	. . . . .	25	sacks
2900' - 2838'	. . . . .	25	sacks
790' - 703'	. . . . .	35	sacks
Surface	. . . . .	10	sacks with a 4' marker, 4" in diameter.

The hole remained filled with mud, approximate weight 11.3, viscosity 62, with the exception of the cemented zones.



**WELL NAME**

**Sub-Continental South Curry Unit #2**

**Utah County, Utah**

**GENERAL DATA**

**Location:** ✓ 2130' South of the North Line and 1830' West of the East Line of Section 20, Township 9 South, Range 20 East, Salt Lake Base and Meridian.

**Commenced:** November 9, 1952 *right - Spud 11-11-52*

**Abandoned:** March 11, 1953 ✓

**Contractor:** Mountain States Drilling Company

**Total Depth:** 10,497' (Schlumberger); 10,498' (Drill Pipe)

**Elevation:** 4758' OR, 4770' KB

**Rotary Hole:** Surface to Total Depth (10,498')

**FORMATION TOPS**

<u>Formation</u>		<u>Electric Log</u>	<u>Sample Log</u>	<u>Thickness</u>
Tertiary	Utah	Surface (+4758)	Surface	1717'
	Green River	1717' (+3053)	1682'	3193'
	Wasatch	5210' (-440)	5228'	2890'
Cretaceous	Mesa Verde	8100' (-3330)	8135'	2395'
	Mancos (?)	10,495' (-5725)	10,495'	

**CASING RECORD**

776', 10 3/4", H-40, 32.75%, 8-round thread casing. Guide shoe at 776 feet, top of float collar at 733 feet. Cemented with 100 sacks regular cement.

**SURVEYS**

Electric Log (Schlumberger) 776' to 10,312'

Electric Log (Schlumberger) 10,312' to 10,497' (7.1.5)

Micro Log (Schlumberger) 2990'-11,105', 5990'-10,494'

Temperature Survey (Schlumberger) 300'-10,497'

Dip Meter (Schlumberger) Six Intervals, 2800'-2830', 3090'-3120', 5170'-5200', 9300'-9330', 6900'-6930', 10,280'-10,310'

Gamma Ray - Neutron (Lans-Wells) Gamma Ray 32'-10,481'

Neutron 42'-10,494'

Mad Logging Unit (Baroid Well Logging Service) 1117' to 10,498' (total depth)

**NUMBER OF SACKS FOR ANALYSIS**

9200' - 9218'	.....	25	sacks
8120' - 8138'	.....	25	sacks
6110' - 6128'	.....	25	sacks
3300' - 3318'	.....	25	sacks
2900' - 2918'	.....	25	sacks
790' - 793'	.....	35	sacks
Surface	.....	10	sacks with a 1/2" marker, 1/2" in diameter.

**SAMPLES RECOVERED**

None

## WELL HISTORY

The Sun-Continental South Ouray Unit #2 was the second test on the Sun Oil Company South Ouray block. It was, however, the first test completed under the Sun-Continental Unit agreement in which approximately 2800 acres of the Continental Oil Company was added to the Sun South Ouray Unit of 19,651 acres. The second test was located upon a structure mapped by Continental Oil Company and based upon seismic reflections from a horizon in the Green River.

The South Ouray Unit #2 was spudded on November 4, 1952. A 9" hole was drilled to 1117 feet, then reamed with a 13 1/4" bit to a depth of 776 feet. Twenty-two joints (776 feet) of 10 3/4", H-40, 32.5#, 8 round thread casing were cemented with 400 sacks of regular cement. A 9" hole was maintained from 776 to the total depth of 10,498 feet. The entire sequence was drilled with the exception of the following footages which were cored: 1920 to 1952, 2414 to 2448, and 10,388 to 10,498.

The difficulties encountered were relatively minor in nature; two lost circulation zones, slow drilling rate in the basal Mesa Verde, and disproportionate mud gas readings. The first lost circulation zone at 8113 consisted of fine to coarse grained sandstone; the second, at 9254, was of interbedded sandstone and shale. Circulation was regained through the addition of lost circulation material and the reduction of the mud weight; no cement plugs were set. A total of three days drilling time was lost. The drilling rate and footage per bit in the basal Mesa Verde, beginning at the depth of 10,200 decreased appreciably. These two factors with the subsequent increase in the number of trips necessary were largely responsible for the decision to core from 10,388 to total depth. Frequent gas-cutting of the mud from the upper zones interfered somewhat with the mud logging; however, by plotting these gas kicks, it was possible to classify them as either trip gas or recycled gas and thus distinguish them from new gas zones.

The South Ouray Unit #2 drilled a normal Green River, Mancosch and Mesa Verde section with tops and formation thicknesses running generally as anticipated. Some doubt exists as to whether or not the top of the Mancosch shale was penetrated. In view of the fact that but three feet of the Mancosch (?) was exposed, examinations of the core, both macroscopic and microscopic, and of the South Ouray Unit #2 electric logs, could not provide conclusive evidence that the Mancosch was entered. However, comparison of the South Ouray Unit #2 electric logs with Continental's Chapita Wells and Carter's Willow Creek logs tends to substantiate the belief that approximately three feet of the Mancosch was cored.

A correlation of formation tops reveals that South Ouray Unit #2 is structurally lower than South Ouray #1; the top of the Green River being 35 feet lower, the top of the Marker zone 16 feet lower, the top of the Mancosch 60 feet lower, and the top of the Mesa Verde 15 feet lower. The accompanying well log contains a detailed description of lithology encountered. In general, the formation lithology may be summarized as follows: The

Green River formation consists of brown and gray, marly, somewhat silty shales throughout the sequence with frequent lenses of fine to medium grained sandstones, and brown and tan ostracodal limestones in the lower half of the formation. Its thickness is 3493 feet as compared to 3460 feet in South Dury Unit #2, an increased thickness of 33 feet. The wasatch was comprised mainly of reddish-brown, gray and green, variegated shales. The shales were frequently silty and contained numerous thin partings of gilsonite, coal, and anhydrites. Lenses of fine to medium grained, slightly calcareous sandstones of poor porosity were found throughout the entire interval. At 6072-6103, a high pressure, low volume gas sand was encountered. The sandstone, white, medium grained and poorly sorted, was tested and produced an estimated 500,000 cubic feet per day which was the best show obtained from any of the drill stem tests. The thickness of the wasatch is 2890 feet which is 26 feet less than the 2916 feet found in South Dury Unit #1. Gray, black and green, variegated shales comprised the Mesa Verde. Lenses of calcareous, fine to medium grained sandstones were present. The lower 1,000 feet was characterized by darker gray and black carbonaceous shale with numerous partings of coal. Its thickness is 2395 feet. Most of the sandstones of the Green River, Wasatch, and Mesa Verde formations were relatively tight with accompanying poor porosity. The three feet of Mancos (?) exposed consisted of dark gray to black, medium hard, carbonaceous shale.

All significant oil shows and gas increases were tested; however, no free oil was recovered. See "Summary of Drill Stem Tests" for complete data concerning the tests. The dip of the strata as determined by the Schlumberger Dip Meter Survey was too small to be computed; a one to three degree dip is normal for the region. The maximum temperature recorded was 180° F at 10,497 feet.

Orders to cease drilling and abandon the well were received on March 12, 1953. Schlumberger and Lane-wells logs were run on March 13 and plugging operations were completed on March 14, 1953. The Baroid unit was released on March 13 and the rig on March 14, 1953.

## SUMMARY OF DRILL TESTS

### San-Continental South Survey Unit #2

#### UNION FORMATION

TEST #1, 145' - 148'. Prospective water horizon. Open 1 hour, S.I. 30 minutes. Recovered 60' drilling fluid. IFF 0%, FFP 0%, SIP 0%, NH 0%.

TEST #2, 176' - 185'. Prospective water horizon. Open 30 minutes. S.I. 0 minutes. Recovered 130' drilling mud. IFF 0%, FFP 0%, SIP 0%, NH 0%.

TEST #3, 472' - 480'. Prospective water horizon. Open 33 minutes. S.I. 15 minutes. Strong blow immediately, lessened gradually, dead in 20 minutes. Recovered 428' of silty drilling mud. IFF 0%, FFP 0%, SIP 0%, NH 200%.

#### GRAND RIVER FORMATION

TEST #4, 1890' - 1952'. Open 1 1/2 hours, S.I. 15 minutes. Fair blow immediately, died in 15 minutes. Blow resumed in 50 minutes and lasted 30 minutes. Recovered 10' of drilling mud. IFF 0%, FFP 0%, SIP 0%, NH 0%.

TEST #5, 2542' - 2593'. Open 1 hour. S.I. 20 minutes, strong blow immediately, continued throughout. Recovered 100' of heavily oil and gas cut mud and 1170' of salt water. IFF 400%, FFP 600%, SIP 625%, NH 1250%.

TEST #6, 2833' - 3033'. Open 1/2 hour, S.I. 15 minutes. Good blow immediately, increased to strong, lasted throughout. Recovered 193' of drilling mud. IFF 0%, FFP 0%, SIP 350%, NH 1650%.

TEST #7, 3034' - 3133'. Open 1 hour, S.I. 15 minutes. Weak blow immediately, continued throughout. Recovered 110' of fair oil cut drilling mud. IFF 100%, FFP 100%, SIP 300%, NH 1700%.

TEST #8, 3146' - 3365'. Open 15 minutes. S.I. 15 minutes. Strong blow, continued throughout. Recovered 1955' of slight gas cut salt water and 45' of rat hole mud. IFF 360%, FFP 900%, SIP 1680%, NH 1760%. Salinity 3,000 p.p.m. Salinity of mud above packer 3,000 p.p.m.

TEST #9, 3446' - 3526'. Open 1 hour. S.I. 15 minutes. Weak blow, lasted throughout. Recovered 30' of slight oil and gas cut drilling mud. IFF 0%, FFP 0%, SIP 0%, NH 1350%.

TEST #10, 4504' - 4660'. Open 1 hour. S.I. 15 minutes. Weak blow immediately, increased to strong at 17 minutes and maintained strong throughout. Recovered 10' of slightly gas and oil cut mud. IFF 0%, FFP 0%, SIP 0%, NH 2550%.

## MAJOR FORMATION

DEI #11, 6072'-6103'. Open 1 hour. S.I. 20 minutes. Strong blow immediately, lasted throughout. Gas (wet) to surface in 6 minutes, estimated 500,000 cu. ft. Maximum working pressure 7#. Recovered 200' heavily gas cut drilling mud. IFP 0#, FFP 0#, SIP 2300#, NH 360#, Salinity 1700 P.P.M.

DEI #12, 6095'-6123'. Open 1 hour. S.I. 30 minutes. weak blow, increased to fair blow, held throughout. Gas to surface in 8 minutes. Maximum working pressure 4#. Recovered 200' slightly gas cut drilling mud. IFP 0#, FFP 0#, SIP 2350#, NH 3375#.

DEI #13, 8075'-8113'. Open 2 hours. S.I. 30 minutes. Strong blow in 2 minutes, gas to surface in 10 minutes, burned a 7' flame on 2" open line. Recovered 220' of gas cut mud. IFP 200#, FFP 200#, NH&SIP 4700#, NH 5200#.

## MINOR FORMATION

DEI #14, 9355'-9380'. Open 1 hour. S.I. 15 minutes. 1000' water cushion. Gas to surface in 15 minutes, burned with 10' flame. Recovered 7720' gas cut mud. Drill pipe collapsed. IFP 650#, FFP 650#, SIP 3400#, NH 5400#.

DEI #15, 9833'-9868'. Open 1½ hours. S.I. 15 minutes. 1800' water cushion. Slight blow immediately, weakened steadily until 40 minutes after tool opened, then increased to strong and maintained throughout. No gas. IFP 920#, FFP 920#, SIP 1100#, NH 6000#. Salinity 500 P.P.M. Recovered 60' gas cut mud.

**WELL LOG**

**San-Continental South Oaray Unit #2**

**Vicks Formation**

Surface (+4758') to 1717' (+3053')

0' - 70' shale, green-gray, silty, micaceous, slightly calcareous  
 70' - 100' siltstone, gray, sandy, argillaceous, calcareous  
 100' - 110' sandstone, gray brown, argillaceous, medium grained, subangular  
 110' - 130' shale, green-gray, silty, micaceous  
 130' - 180' sandstone, gray-green, medium grained, silica cement

**DST #1**

180' - 200'

105' - 160'  
 Prospective water horizon. Open 1 hour, S.I. 20 minutes.  
 Recovered 60' drilling fluid. IFF 0%, FFP 0%, SIP 0%, HH 0%

180' - 200' shale, varicolored, silty, sandy, micaceous, calcareous

**DST #2**

200' - 210' sandstone, buff, arkosic, calcareous  
 210' - 230' shale, green, purple, dense, silty, micaceous, calcareous  
 230' - 240' sandstone, buff, arkosic, calcareous  
 240' - 300' shale, varicolored, sandy, micaceous, calcareous  
 300' - 360' shale, green-gray, sandy, slightly calcareous  
 360' - 450' siltstone-sandstone, gray, hard, micaceous  
 450' - 480' sandstone, gray, quartzose, medium grained, subangular

**DST #3**

480' - 520' siltstone, tan, arkosic, brown shale partings  
 520' - 580' shale, varicolored, silty, sandy, calcareous  
 580' - 590' sandstone, buff, arkosic, calcareous  
 590' - 600' shale, green, silty, calcareous  
 600' - 640' sandstone, buff, arkosic; shale, silty, micaceous  
 640' - 660' shale, varicolored, waxy  
 660' - 675' sandstone, buff, arkosic  
 675' - 710' shale, green, to varicolored, silty  
 710' - 730' sandstone, buff, arkosic; shale, green, brown, silty  
 730' - 820' shale, green, varicolored, silty, pyritic  
 820' - 880' siltstone, gray; marlstone, brown  
 880' - 940' sandstone, gray, silty, micaceous; marlstone, brown, dense  
 940' - 950' no returns  
 950' - 970' marlstone, brown; shale, gray, limy

1070' - 1090'	no returns
1090' - 1095'	sandstone, gray, silty, some marly shale
1095' - 1110'	shale, tan-brown, micaceous, slightly calcareous
1110' - 1120'	sandstone, buff, arkosic; shale, tan, silty, calcareous
1120' - 1135'	sandstone, buff, arkosic; shale, gray, silty, calcareous
1135' - 1170'	shale, gray, sandy, micaceous, marly
1170' - 1190'	sandstone, buff, arkosic; shale, limy, volcanic ash
1190' - 1210'	shale, gray, silty, limy; volcanic ash
1210' - 1220'	sandstone, buff-green, limy
1220' - 1245'	shale, tan, silty, marly
1245' - 1280'	shale, gray, silty, limy; limestone, tan, crystalline
1280' - 1340'	marlstone, tan
1340' - 1350'	sandstone, buff, arkosic, calcareous
1350' - 1380'	marlstone, tan
1380' - 1460'	marlstone, buff, sandy, pyritic; volcanic ash, calcareous
1460' - 1540'	marlstone, tan; sandstone, silty, micaceous, cherty, volcanic ash
1540' - 1590'	shale, gray, silty, micaceous, limy, limonitic
1590' - 1630'	marlstone, tan; shale, gray-green, silty, limy, volcanic ash
1630' - 1670'	sandstone, buff, arkosic; shale, silty, gray, limonitic
1670' - 1682'	shale, tan, silty, limy, pyritic; volcanic ash

Green River Formation (Middle Eocene)

1717' (+3053') to 5210' (-440')

1682' - 1730'	shale, dark gray, hard, brittle, limy; volcanic ash
1730' - 1740'	shale, black, mottled, calcareous, Naheolite crystalline
1740' - 1750'	shale, dark brown, mottled, calcareous, pyritic, Naheolite
1750' - 1760'	shale, dark brown, crystallines of Naheolite disseminated throughout
1760' - 1770'	shale, black, carbonaceous
1770' - 1780'	shale, brown, marly, Naheolite crystalline, black tarry oil on samples (Note: samples begin to be coated with powdery film of Naheolite.)
1780' - 1790'	shale, brown and mottled tan, marly, Naheolite as above
1790' - 1800'	as above, trace of black tarry oil
1800' - 1860'	as above
1860' - 1920'	shale, tan, calcareous, Naheolite crystalline, trace of tarry oil

Core #1:

1920' - 1923.5'	1920' - 1952'. Recovered 32' shale, brown to brown-gray, marly, $\frac{1}{2}$ " lenses and laminations of Naheolite, pyritic and calcareous along laminations
1923.5' - 1925'	marlstone, dark brown, dense
1925' - 1927'	shale, brown, marly, vertical fractures filled with Naheolite and gilsonite
1927' - 1932'	marlstone, brown, laminated in part with pyritic and calcareous material along laminations
1932' - 1939'	marlstone, brown, fractured, with Naheolite, pyrite and gilsonite clustered in fractures

1930' - 1952'

marlstone, brown, dense

DEI 4

1890' - 1952'

Fair blow immediately, died in 15 minutes. Blow resumed in 50 minutes and lasted 38 minutes. Recovered 10' of drilling mud. IFF 0%, FFP 0%, SIP 0%, HH 0%

1952' - 2111'

marlstone, brown to light brown, some shaly, pyritic and calcareous in part, crystals of Mahcolite and Mahcolite as pendency coat on samples throughout, trace of tarry oil

DEI 4

2111' - 2120.2'

2111' - 2118'. Recovered 34'.

marlstone, dark brown to black, shaly, black tarry oil along shaly bedding planes

2120.2' - 2121'

shale, black, slightly sandy

2121' - 2121'

shale, brown to dark brown, warty

2121' - 2127'

shale, brown, thinly bedded, breaks along very smooth planes, inclusions of shaly masses containing siliceous material and black tarry oil

2127' - 2138.5'

marlstone, brown, hard, dense

2138.5' - 2140.2'

marlstone, brown, very hard, slightly crystalline to dense, pyritic along laminations of light brown marlstone

2140.2' - 2148'

shale, dark brown, to black, warty, thinly bedded in part, tarry black oil along irregular bedding planes between 40.2 and 47. Irregular bedding planes resemble reefing type structure

2148' - 2560'

marlstone, brown, gray, pyritic, oil staining

2560' - 2570'

sandstone, brown, subangular, well sorted, fair oil stain

2570' - 2660'

marlstone, brown-gray; shale, gray, papery, soft

DEI 4

2562' - 2593'

Open 1 hour, S.I. 20 minutes, strong blow immediately, continued throughout. Recovered 100' of heavily oil and gas cut mud and 1170' of salt water. IFF 100%, FFP 600%, SIP 825%, HH 1250%

2660' - 2680'

shale, brown, papery, pyritic

2680' - 2700'

marlstone, tan, micaceous

2700' - 2820'

shale, gray-black, micaceous, limonite stains, calcareous

2820' - 2900'

shale, brown, gray, micaceous, slightly calcareous

2900' - 2960'

shale, gray, micaceous, sandstone lenses, calcareous

2960' - 3020'

shale, gray, brown, micaceous, calcareous

3020' - 3060'

shale, dark and light gray, sandy, calcareous

DEI 4

2833' - 3033'

Open 1/2 hour, S.I. 15 minutes, good blow immediately, increased to strong, lasted throughout. Recovered 193' of drilling mud. IFF 0%, FFP 0%, SIP 350%, HH 1650%

3060' - 3075'

sandstone, tan, arkosic, medium grained, subangular, fair porosity, oil saturated

3075' - 3130'

shale, gray, silty, soft, calcareous, Mahcolite

LSI #7

3034' - 3113'

Open 1 hour. S.I. 15 minutes. Weak blow immediately, continued throughout. Recovered 110' of fair oil cut drilling mud. IFP 100%, FFP 100%, SIP 300%, HH 1700%

3130' - 3170'

limestone (early), dark and light brown, dense, micaceous, hard

3170' - 3190'

shale, gray, brown, micaceous, calcareous

3190' - 3215'

shale, gray, micaceous, pyritic, calcareous

3215' - 3240'

shale, gray, brown, micaceous, calcareous

3240' - 3290'

shale, gray, micaceous, liny

3290' - 3330'

limestone, tan, dense, hard

3330' - 3370'

sandstone, arkosic, medium grain, sub-angular, good porosity, oil saturated

LSI #8

3346' - 3365'

Open 15 minutes, S.I. 15 minutes. Strong blow, continued throughout. Recovered 1955' of slight gas cut salt water and 45' of rat hole mud. IFP 360%, FFP 900%, SIP 1680%, HH 1760%. Salinity 3,000 P.P.T. Salinity of mud above packer 8,000 P.P.T.

3370' - 3410'

sandstone, arkosic with gray shale lenses, calcareous

3410' - 3455'

shale, varicolored, micaceous, hard, calcareous, some ostracodal limestone

3455' - 3460'

limestone, tan, lithographic, hard

3460' - 3475'

shale, gray, micaceous, hard, calcareous

3475' - 3480'

sandstone, brown, fine grained, sub rounded, fair porosity, oil saturated

3480' - 3510'

limestone, tan, fine crystalline, hard

3510' - 3530'

shale, gray, micaceous, hard, calcareous

LSI #9

3446' - 3526'

Open 1 hour, S.I. 15 minutes. Weak blow, lasted throughout. Recovered 30' of slightly oil and gas cut drilling mud. IFP 0%, FFP 0%, SIP 0%, HH 1850%

3530' - 3550'

sandstone, brown, very fine grained, oil saturated, interbedded with shale, gray, micaceous, calcareous

3550' - 3600'

shale, gray, micaceous, limonite stains, interbedded with sandstone, white, fine grained, calcareous

3600' - 3680'

shale, gray, micaceous, interbedded with sandstone as above; limestone, tan, crystalline

3680' - 3740'

marlstone, tan, micaceous

3740' - 3745'

limestone, brown, ostracodal

3745' - 3755'

sandstone, white-gray, fine grained, oil stain

3755' - 3775'

shale, gray, micaceous, calcareous

3775' - 3830'

sandstone, white-gray, fine grained, sub round, some oil saturation; shale, gray, micaceous, calcareous

3830' - 3845'

shale, gray, micaceous, calcareous

3845' - 3875'

sandstone, white-gray, fine grained, fair porosity, calcareous

3875' - 3885'	limestone, brown, ostracodal
3885' - 3900'	sandstone, white-gray, arkosic, micaceous, calcareous, interbedded with shale, gray-green, micaceous, calcareous, some oil staining
4000' - 4020'	marlstone, tan; shale, gray, micaceous, calcareous
4020' - 4030'	shale, gray, silty, micaceous, calcareous
4030' - 4040'	sandstone, gray, brown, sub round, fair porosity, oil saturated
4040' - 4050'	no return-- test circulation
4050' - 4090'	sandstone, white, fine grained, calcareous, interbedded with shale, gray, micaceous, silty, calcareous, and limestone, tan
4090' - 4110'	shale, gray, micaceous, interbedded with marlstone and brown limestone; fine grained white sandstone lenses are present
4110' - 4150'	shale, gray, micaceous, silty, calcareous; siltstone, white, arkosic, calcareous
4150' - 4155'	limestone, tan, eolitic
4155' - 4210'	siltstone, white-gray, arkosic, calcareous, interbedded with shale, gray, soft, slightly calcareous
4210' - 4250'	siltstone, gray-white, arkosic, very calcareous, grading to sandstone, gray-white, arkosic, containing some oil stains. Few lenses of shale, gray, micaceous, calcareous
4250' - 4300'	shale, gray, micaceous, calcareous, medium hard
4300' - 4330'	shale, gray, micaceous, calcareous, interbedded with siltstone, gray-white, arkosic, very calcareous
4330' - 4350'	shale, gray, micaceous, calcareous, silty
4350' - 4370'	sandstone, light brown, very fine grained, arkosic, calcareous, interbedded with shale, gray, micaceous, calcareous
4370' - 4430'	shale, gray, micaceous, calcareous. Few lenses of marlstone, gray, dense
4430' - 4470'	sandstone, brown, very fine grained, arkosic, calcareous, interbedded with shale, gray, micaceous, calcareous
4470' - 4550'	shale, gray, brown, micaceous, medium hard. Few lenses of limestone, gray, ostracodal
4550' - 4640'	marlstone, dark brown-black, laminated, hard, faint trace of oil
4640' - 4680'	shale, dark brown, calcareous, pyritic; lenses of marlstone, dark brown
<u>DET #10</u>	4540' - 4660' Open 1 hour, S.I. 15 minutes. Weak blow immediately, increased to strong after 17 minutes, continued strong throughout. Recovered 100' of slightly oil and gas cut mud. IFP 0%, FFP 0%, SIP 0%, NH 2550%. Salinity before test 1200, after test 1800. Packer stuck after test - 45 minutes to jar loose - packer damaged and replaced
4680' - 4700'	limestone, gray, mottled, ostracodal, and gray-white, chalky, interbedded with siltstone, gray-white, arkosic, and shale, gray, micaceous

4700' - 4740'	shale, gray, micaceous, calcareous, medium hard, with lens of gilsonite at 4705'
4740' - 4780'	sandstone, buff-white, medium grained, calcareous, some oil stains, interbedded with shale, gray, and limestone, mottled gray
4780' - 4790'	shale, gray-green, micaceous, calcareous
4790' - 4805'	limestone, brown, mottled, macro-crystalline
4805' - 4840'	sandstone, white, fine to medium grained, arkosic, calcareous
4840' - 4890'	shale, gray, brown, silty, micaceous, calcareous
4890' - 4950'	limestone, brown, mottled, few ostracods, very light oil stains, interbedded with shale, gray, silty, micaceous
4950' - 4980'	sandstone, white, fine grained, arkosic, with lenses of shale, gray-green, micaceous, calcareous
4980' - 5000'	shale, brown, gray, micaceous, calcareous
5000' - 5020'	shale, gray, brown, micaceous, interbedded with limestone, brown, ostracodal, and marlstone, brown laminated
5020' - 5030'	shale, gray, brown, micaceous, calcareous, silty
5030' - 5050'	shale, brown, gray, micaceous, with lenses of limestone, brown, ostracodal
5050' - 5065'	limestone, dark brown, somewhat argillaceous, ostracodal
5065' - 5120'	shale, brown, micaceous, grading to marlstone, brown, dense
5120' - 5180'	limestone, brown, ostracodal, with few lenses of shale, brown, micaceous
5180' - 5190'	shale, gray, micaceous, calcareous
5190' - 5200'	sandstone, white, fine grained, arkosic, calcareous
5200' - 5228'	shale, brown, gray, green, micaceous, calcareous, medium hard

Wasatch Formation (Lower Eocene)

5210' (440') to 8100' (-3330')

5228' - 5230'	siltstone, red, calcareous
5230' - 5240'	sandstone, white, fine grained, arkosic, calcareous, with lenses of shale, gray, containing red mottling
5240' - 5325'	shale, variegated, soft, calcareous, with alternating arkosic sands and silts, calcareous
5325' - 5345'	sandstone, white, fine grained, calcareous, arkosic
5345' - 5430'	shale, variegated (soft shades of brown, green, yellow, and red), with some lenses of siltstone
5430' - 5510'	shale, same as above, with ten limestone lenses
5510' - 5515'	sandstone, white, arkosic, calcareous
5515' - 5640'	shale, variegated, soft, slightly silty, micaceous, limonite and some gilsonite. Minor amounts of tan crystalline limestone
5640' - 5760'	shale, same as above, with alternating lenses of medium grained arkosic sandstone, and tan-green limestone partings. Pyrite.

- 5760' - 5900' shale, variegated shale as above with intermittent partings of dark carbonaceous shale and gilsonite; limestone, red, fine grained, arkosic, calcareous; some pyrite
- 5900' - 5950' shale, variegated as above, with interbedded lenses of red-brown arkosic fine grained sandstone; some gypsum and limonite
- 5950' - 6000' shale, variegated, brown, green, maroon, soft, calcareous; some gilsonite
- 6000' - 6060' shale, variegated as above, contains lenses of sandstone, red, arkosic, fine grained, calcareous, and siltstone, red, arkosic, micaceous. Some gilsonite from 6030' to 6060'
- 6060' - 6103' shale, gray, maroon, silty, pyritic, interbedded with sandstone, white, arkosic, calcareous, fine to medium grained. High gas readings
- DST #11** 6072' - 6103' Open 1 hour, S.I. 20 minutes. Strong blow immediately, continued throughout. Gas to surface in 6 minutes. Estimated 500,000 cubic feet. Recovered 200' of heavily gas cut mud. Maximum working pressure 7 1/2. IHP 0%, IIP 0%, IIP 2300%, IH 3150%. Salinity 1700 . . .
- Core #31** 6103' - 6123' Recovered 20' sandstone, gray-white, fine grained, arkosic, feldspar, slightly calcareous, poor porosity. High gas readings. Sub-rounded to sub-angular
- DST #12** 6095' - 6123' Open 1 hour, S.I. 30 minutes. Weak blow increased to fair blow, continued throughout. Gas to surface in 8 minutes. Recovered 200' of slightly gas cut mud. Maximum working pressure 4 . . . IHP 0%, IIP 0%, IIP 2200%, IH 3375%. Salinity 1800 P.P. . .
- 6123' - 6135' shale, variegated as above
- 6135' - 6180' shale, variegated, gray, maroon, green, medium soft, somewhat silty, with occasional lenses of sandstone, white, arkosic, fine grained, calcareous; and siltstone, red, calcareous
- 6180' - 6520' shale, variegated as above with thin lenses of sandstone, green-white, fine to medium grained, calcareous, arkosic; and siltstone, orange, red, calcareous
- 6520' - 6670' shale, variegated, hard, slightly calcareous. Intermittent arkosic-graywacke, calcareous, fine grained sandstone lenses. Also occasional chalky white and tan, dense limestone fragments
- 6670' - 6770' shale, brick red and gray-green, hard, (losing much of previous variegated nature.) Many fine grained sandstones and tan limestones as above. Some limonite

6770' - 6800' shale, variegated, hard, slightly calcareous, with interbedded arkosic-graywacke, pyritic fine grained sandstones. Some chert fragments, and tan dense limestone. Limonite and limonite

6800' - 6870' shale, variegated as above with white anhydritic shale partings. Limonite and pyrite

6870' - 6900' coal, in variegated shale as above

6900' - 7030' shale, variegated as above, and numerous fine grained arkosic-graywacke sandstone lenses. Some anhydritic calcareous shale partings, and tan dense limestone fragments

7030' - 7135' shale, maroon, gray, variegated, hard, slightly calcareous. Intermittant lenses of limestone, tan, dense, finely crystalline, and limestone, brown, ostracodal

7135' - 7150' sandstone, white, arkosic, fine grained, calcareous, and shale, gray, hard, slightly calcareous

7150' - 7210' shale, gray, maroon, variegated, pyritic, silty, slightly calcareous, with lenses of sandstone, white, arkosic, calcareous

7210' - 7250' shale, variegated as above with lenses of coal

7250' - 7260' coal, in variegated shale as above

7260' - 7380' shale, gray, maroon, variegated, very silty. Intermittant sandstone, white, fine grained, arkosic, calcareous, and limestone, tan, nodular, dense. Some thin stringers of coal

7380' - 7390' sandstone, as above interbedded with anhydrite and coal

7390' - 7450' shale, gray, maroon, variegated, with intermittant lenses of sandstone, fine grained, calcareous. Some coal. Occasional gypsum and anhydrite partings

7450' - 7480' shale, variegated as above

7480' - 7580' shale, variegated as above, somewhat more silty. Lenses of sandstone, arkosic, calcareous, poorly sorted. Some thin coal partings

7580' - 7645' shale, gray, dark maroon, drab colored, variegated, slightly calcareous. Intermittant lenses of sandstone, white, fine to medium grained, arkosic, calcareous

7645' - 7660' sandstone, white, medium to coarse grained, subrounded to subangular, arkosic, calcareous. Much anhydrite

7660' - 7770' shale, variegated as above with a few thin lenses of sandstone, white, fine grained, arkosic

7770' - 7780' sandstone, pink, fine grained, calcareous. Some anhydrite

7780' - 7840' shale, gray, dark maroon, drab colored, variegated. Interbedded with sandstone, white, fine to medium grained, arkosic, calcareous

7840' - 7910' shale, variegated as above with several partings of limestone, tan, dense

7910' - 8040' shale, variegated with thin lenses of sandstone, white, fine to medium grained, arkosic, calcareous. Anhydrite

8040' - 8070' shale, gray, dark maroon, drab colored, variegated, slightly calcareous, some anhydrite

- 8070' - 8078' shale, gray, maroon, variegated, calcareous, trace of anhydrite  
8078' - 8085' shale, as above and sandstone, white, fine grained, arkosic, friable, trace of anhydrite  
8085' - 8100' sandstone, white to gray, fine grained, sub-round, very calcareous, fair porosity

Mesa Verde Formation (Upper Cretaceous)

8100' (-3330') to 10,495' (-5725')

- 8100' - 8113' sandstone, white to "salt & pepper", coarse, angular, calcareous, fair porosity

DET 713

8075' - 8113'

Open 2 hours, 9.1. 30 minutes. Strong blow in 2 minutes. Gas to surface in 10 minutes, burned 7' flame through 2" open line. Amount too small to measure. Recovered 220' of gas cut mud. HEP 2004, HEP 2007, MSEP 47004, HEP 52004

- 8113' - 8135' shale, gray, micaceous, pyritic and sandstone, white, fine to medium, interbedded  
8135' - 8150' shale, gray to dark gray, some black, carbonaceous; limestone, gray, slightly crystalline  
8150' - 8220' shale, varicolored, mostly gray, limonitic and pyritic in part; thin beds of limestone, buff to gray, semi dense, to sub crystalline, and interbedded sandstone, very fine to fine, gray, calcareous, and siltstone, gray  
8220' - 8280' sandstone, "salt & pepper", fine to medium, hard and glassy to calcareous. Interbedded siltstone, buff-gray, calcareous, and shale, varicolored and gray, pyritic and/or lim in part; limestone, gray, semi dense  
8280' - 8300' siltstone, buff, poor sorting, calcareous; shale, variegated, gray  
8300' - 8400' sandstone, gray, fine grained, "salt & pepper" texture, calcareous; siltstone, buff, calcareous, with minor amounts of tan dense limestone, variegated, and gray shale  
8400' - 8500' sandstone and siltstone as above with varying amounts of gray and varicolored shale  
8500' - 8630' siltstone, gray, "salt & pepper" texture, calcareous, gray and variegated shale  
8630' - 8670' same as above with appearance of yellow and orange waxy and slightly silty shale  
8670' - 8700' sandstone, white, quartzose, medium grained, fair sorting, with some gray, orange, and variegated shale  
8700' - 8840' shale, varicolored, gray, gray-green, reddish-brown, interbedded with lenses of sandstone, white, fine to medium grained, calcareous  
8840' - 8860' shale, brown, gray, smooth

- 8860' - 9080' shale, varicolored, light and dark gray, gray-green, reddish-brown, with lenses of sandstone, white, fine to medium grained, calcareous
- 9080' - 9105' shale, varicolored, light and dark gray, gray-green, brown, smooth
- 9105' - 9190' shale, as above interbedded with sandstone, white, medium grained, calcareous
- 9190' - 9210' shale, light and dark gray, green, smooth
- 9210' - 9220' shale, as above with lenses of sandstone, white, medium grained, calcareous
- 9220' - 9320' shale, gray, dark gray, with occasional thin beds of sandstone, white, medium to fine grain, fair sorting, calcareous
- 9320' - 9400' sandstone, white, medium to fine grain, fair sorting (salt & pepper variety) with some shale as above

DET #14

9355' - 9380'  
 Open 1 hour, S.I. 15 minutes. Recovered 7720' drilling mud (gas cut) and 1000' of water cushion. Gas to surface in 15 minutes. Burned with 10' flame. IFF 650%, FFP 650, SIP 3100%, II 5400%. Salinity 900 P.P.M.

- 9400' - 9510' shale, light and dark gray, some varicolored, with minor amounts of sandstone, medium to fine grain of "salt & pepper" variety, slightly calcareous, coal
- 9510' - 9540' same as above with thin beds of limestone, tan dense
- 9540' - 9660' sandstone, white, fine to medium grained, salt and pepper type, slightly calcareous, with lenses of shale, varicolored, gray, black, carbonaceous. Few stringers of coal
- 9660' - 9800' shale, varicolored, light and dark gray, green, brown, somewhat silty, interbedded with lenses of sandstone, white to brown, medium to medium coarse grained, slightly calcareous
- 9800' - 9860' sandstone, light brown, fine to medium grained, sub-graywacky, slightly calcareous

DET #15

9833' - 9868'  
 Open 1 1/2 hours, S.I. 15 minutes. 1800' water cushion. Weak blow immediately, diminished steadily until 10 minutes after tool opened, then increased to strong and maintained throughout. No gas present. IFF 920%, FFP 920%, SIP 1100%, II 6000%. Salinity 500 P.P.M. Recovered 60' of gas cut mud

- 9860' - 10000' shale, varicolored, light and dark gray, black, medium soft, slightly calcareous, carbonaceous; partings of sandstone, light brown and gray, fine to medium grained, slightly calcareous
- 10000' - 10110' shale, as above, somewhat harder, with increased amounts of sandstone, brown, medium grained, non-calcareous

10,110' - 10,150'	shale, gray, dark with solid hydro-carbon streaks, silty; lenses of green and brown shale; sandstone, tan (residual oil stained), fine grained, quartzose, fair sorting, sub-angular. Some ostracodal limestone
10,150' - 10,200'	shale, dark with carbonaceous streaks, gray, hard, with sandstone as above
10,200' - 10,328'	shale, and sandstone as above with traces of varicolored shale
<u>Core #4:</u>	
10,328' - 10,334'	10,328' - 10,378' Recovered 50' shale, dark, silty, very carbonaceous with streaks of pure hydro-carbon; last 4", coal
10,334' - 10,338'	shaly siltstone, gray, dense, hard, numerous black carbonaceous streaks and hydro-carbon partings
10,338' - 10,343'	siltstone, tan, tight, hard, some carbonaceous material
10,343' - 10,346'	siltstone as above, with fractures - calcite filled
10,346' - 10,349'	siltstone, grading into dark silty carbonaceous shales with pure hydrocarbon streaks
10,349' - 10,357'	shale, dark carbonaceous, more carbonaceous than above
10,357' - 10,358'	shaly, coal
10,358' - 10,364'	shale, dark, becoming more silty; dense, some coal streaks
10,364' - 10,372'	siltstone, with much interbedded coal and carbonaceous shale
10,372' - 10,375'	shale, black, carbonaceous, some siltstone; two 3" beds coal at bottom separated by 6" dark shale
10,375' - 10,378'	very silty carbonaceous shale with hydrocarbon partings
<u>Core #5:</u>	
10,378' - 10,380'	10,378' - 10,425' Recovered 47' shale, dark gray, carbon, slightly silty, streaks of hydrocarbon (coal)
10,380' - 10,382'	shale, black, dense with partings of coal
10,382' - 10,384'	shale, dark gray, silty, streaks of coal
10,384' - 10,397'	siltstone, gray, dense, grains appear to be predominantly quartz; some lenses of gray shale and coal
10,397' - 10,406'	shale, dark gray, hard, dense, streaks of coal
10,406' - 10,422'	shale, gray, silty with gypsum in vertical fractures
10,422' - 10,425'	siltstone, gray, dense, with gypsum in vertical fractures
<u>Core #6:</u>	
10,425' - 10,426.5'	10,425' - 10,434' Recovered 59' siltstone, gray, dense, tight
10,426.5' - 10,440.5'	shale, dark gray to black, carbon, medium soft with frequent coal partings
10,440.5' - 10,442'	shale, gray, silty, hard, slightly micaceous
10,442' - 10,449'	shale, dark gray to black, carbonaceous
10,449' - 10,450.5'	siltstone, gray, hard, dense, thin streaks of black shale; slight gas odor in fresh cut
10,450.5' - 10,454'	shale, black, carbonaceous, coal partings
10,454' - 10,457'	siltstone, gray, hard, dense, some coal partings
10,457' - 10,461'	shale, gray, silty, hard

10,461' - 10,467' shale, black, carbonaceous, medium soft with frequent coal partings  
10,467' - 10,469' shale, gray, silty, hard, slightly micaceous  
10,469' - 10,484' sandstone, fine to medium fine grained sandstone, gray, hard, very tight, few black shale partings; good gas odor in fresh break

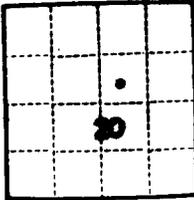
Core #7:  
10,484' - 10,495' 10,484' - 10,498' Recovered 14' sandstone, gray, fine grained, dense, hard; coal partings

Mancoes (?) Formation

10,495' (-5725') to 10,498' (-5728')

10,495' - 10,498' shale, dark gray, fissile  
(Total Depth)

Form 2-571a  
(Feb. 1952)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-057h

Unit South Oquir

ORIGINAL FILED IN 100-100000-10000

MAR 17 1953

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..... <input checked="" type="checkbox"/>	

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

March 14, 1953

Well No. 2 is located 2130 ft. from N line and 1820 ft. from E line of sec. 20

SW NE Section 20 9S 20E SLM  
(Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oquir) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Approx. 4770 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)

According to verbal agreement with Mr. H. C. Scoville, District Engineer, we hereby file intention to abandon South Oquir #2 Unit, SW NE Section 20, T 9S, R 20E, Uintah County, Utah.

After drilling to a total depth of 10,496 feet, believed to be approximately 2 feet into the Mancos shale, and without finding commercial shows of oil and/or gas we feel that it would be inadvisable to continue operations on this well. In accordance with agreement with Mr. Scoville, the following plugs will be set: 9380', 25'x 8110', 6140', 3380', 2900', 790', and in the top of the surface pipe with marker.  
25'x 35'x 25'x 25'x 25'x

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

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

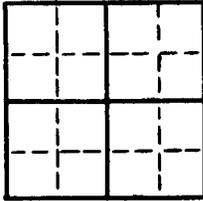
By

Title District Geologist

Approved 3-9-53  
H. C. Scoville  
District Engineer

(SUBMIT IN DUPLICATE)

LAND:



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. U-0574  
Indian.....  
Lease No. ....

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 Altering Casing.....	
Notice of Intention to Redrill or Repair.....	<input checked="" type="checkbox"/>	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)

Ute Trail Unit

August 19, 1957

Well No. 2 is located 2130 ft. from {N} line and 1820 ft. from {E} line of Sec. 20

SW NE - 20 9 South 20 East Salt Lake PM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ Ground above sea level is 4757 feet.

A drilling and plugging bond has been filed with U. S. G. S.

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.)

Plan to move in Rotary Rig, drill out cement plugs to 6400'. Run and cement 6400', 5 1/2", J-55, 15.50# casing, cement with 350 sacks cement, perforate and test sands 6200/6228' and 6075/6135'. The objective sand is in the Wasatch formation.

(This well formerly called Sun-Continental - South Ouray No. 2 - drilled to a total depth of 10,498, plugged 3-14-53.)

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

Company Sun Oil Company

Address P. O. Box 903 By Frank Dighton

Salt Lake City, Utah Title District Geologist

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.

August 20, 1957

Sun Oil Company  
P. O. Box 903  
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to redrill Well No. Ute Trail Unit 2, which is located 2130 feet from the north line and 1820 feet from the east line of Section 20, Township 9 South, Range 20 East, SLIM, Uintah County, Utah.

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

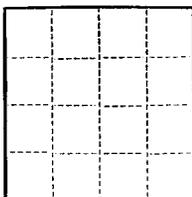
Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
SECRETARY

CBF:cn

cc: Don Russell  
USGS, Federal Bldg.  
Salt Lake City, Utah



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-0574**

Unit **14-03-001-892**

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.....		<b>VERBALLY REPORT</b>	<b>X</b>

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

October 10, 1971

Ute Trail Unit

Well No. **2** is located **12130** ft. from **N** line and **1820** ft. from **E** line of sec. **20**

**SW NE - 20** (1/4 Sec. and Sec. No.)      **96** (Twp.)      **20E** (Range)      **Salt Lake PM** (Meridian)  
**Wildcat** (Field)      **Utah** (County or Subdivision)      **Utah** (State or Territory)

The elevation of the ~~casings~~ <sup>Ground</sup> above sea level is **4757** 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)

As per attached sheet

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

Company **SUN OIL COMPANY**

Address **P.O. BOX 1798**

**DENVER, COLORADO**

**AM 6-2181**

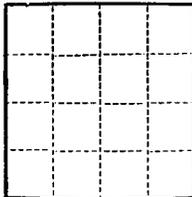
By *J.B. Hamilton*

Title **Div. Supt. - Oper. Dept.**

Ute Trail Unit #2

TABLE 1 TOO

- 8-26-57 thru 8-27-57: Moving in workover rig - rigging up  
8-28-57: thru 8-31-57: Drilling cement plugs & conditioning hole  
9-1-57: Ran & cmt'd 5½" casing, CS-6407', FC-6374', used 350 sks of regular cement complete at 10:40 PM, WOC  
9-2-57: WOC  
9-3-57: Picked up 2" tubing, found top of cement plug at 6306', tested 5½" casing with 1250# for 30 mins, O.K.  
9-4-57: Ran Gamma-ray Neutron Log 5300/6308', perforated zone 6193/6221' (Neutron Meas.) with 4 JSFF, ran tbg & pkr, acidized perfs with 1000 gals of mud acid  
9-5-57: Swabbed back mud acid material  
9-7-57: Rigging up to frac  
9-8-57: Fraced perfs 6193/6221' with 30,000 gals of salt wtr with 1# sand per/gal  
9-9-57: Swabbed well in, flwd periodically and then loaded up and died.  
9-10-57: Washed sand out to 6240'  
9-11-57: Conditioned hole, prep to perf. upper zone  
9-12-57: Perforated zone 6075/6135' (Schlum Meas.) with 4 JSFF, ran tubing with pkr, acidized perfs 6075/6135' with 1,000 gals of MCA, swabbed well in, on 1" choke flwd estimated gas volume of 200 MCF P/D, TP-40#  
9-13-57: Fraced perfs 6075/6135' with 30,000 gals of salt wtr w/ 1# sand per/gal  
9-14-57: Went in, found top of sand at 5970'  
9-15-57: Washed out sand to 6150', swbd well into pits to clean up.  
9-16-57: Swbg & flwg well into pits to clean up  
9-17-57: Treated perfs 6075/6135' with 1500 gals of mud acid  
9-18-57: Well flwd fine spray of salt wtr, TP-50/75#  
9-20-57: Acidized perfs 6193/6221' with 1500 gals of mud acid, swabbed back load & acid water, well kicked.  
9-21-57: Pulled B.P. both zones together, swbd well 7 hrs & rec. load wtr, well kicked & flwd intermittently TP-40/75#, rloed rig.  
9-22-57 thru 10-8-57: Flwd & tested well periodically, attempting to clean up  
10-9-57: In 22 hrs on 1" chk well flwd at a rate of 220 MCF P/D, 8 bbls of frac water & 1 bbl condensate, TP-50/75#, CP-200/400#. Continue testing.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0774  
Unit 14-08-001-6952

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.....	<b>WEEKLY REPORT</b> .....	<b>X</b>

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

**Ute Trail Unit** ..... October 14 , 19 57

Well No. 2 is located 2130 ft. from N line and 1800 ft. from E line of sec. 20

SW NE - 20 ..... 96 ..... 20E ..... Salt Lake FM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat ..... Utah ..... Utah  
(Field) (County or Subdivision) (State or Territory)

*Handwritten:*  
767  
10-15-57

The elevation of the ~~stratigraphic~~ Ground above sea level is 4751 ft.

DETAILS OF WORK

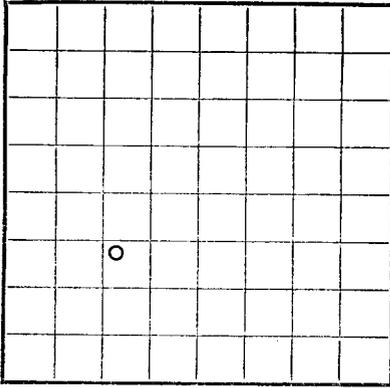
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 10-10-57: In 20 hrs on 3/4" chd 21wd at the rate of 200 MCF P/D, 5.50 IN & .75 B condensate, TP-50f, CP-375f.
- 10-11-57: Well S.I.
- 10-12-57: Well S.I.
- 10-13-57: Well S.I.
- 10-14-57: Well S.I.

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

Company Sun Oil Co.  
Address P.O. Box 1798  
Denver, Colorado  
AM 6-2151  
By [Signature]  
Title Div. Supt. - Oper. Dept.

U. S. LAND OFFICE **Utah**  
 SERIAL NUMBER **40574**  
 LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

*Noted  
 @ 2.15  
 16 28 51*

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **San Oil Company** Address **P.O. Box 1778 - Denver, Colorado**  
 Lessor or Tract **Ute Trail Unit #2** Field **Curry** State **Utah**  
 Well No. **2** Sec. **30** T. **36** R. **20E** Meridian **Salt Lake P.M.** County **Utah**  
 Location **2130** ft. **{N}** of **N** Line and **1200** ft. **{E}** of **E** Line of **Section 30** Elevation **4766**  
(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 *J. B. Hamilton*

Date **October 23, 1957** Title **Div. Supt. - Oper. Supt.**

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

Commenced drilling **8-27**, 19 **57**. Finished drilling **9-20**, 19 **57**.  
**(Makeover operations)**

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

No. 1, from **6193** to **6221 - G** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from **6075** to **6135 - G** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ 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-	
<b>5-1/2 11-15.5</b>			<b>6407</b>				<b>6075</b>	<b>6135</b>	<b>6135</b>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>5-1/2</b>	<b>6407</b>	<b>350</b>	<b>plug &amp; plug</b>		

PLUGS AND ADAPTERS

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

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

FOLD MARK

FOLD MARK

Casing	5-1/2	6407	350	Plug & Plug		
--------	-------	------	-----	-------------	--	--

**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 6407 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

....., 19 <sup>57</sup> Put to producing ..... 19 <sup>57</sup>

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. **301,000**

**23507 Kill Stop Test SUMP after 30 mins.**

**EMPLOYEES**

....., Driller ..... Driller

....., Driller ..... Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	1717	1717	Tertiary - Hatch
1717	5210	3493	Green River
5210	6407	1197	Hatch

This is old well drilled to 10,498' and plugged in March 1953, previously named Sun-Continental South Quay No. 2. After workover well completed as a gas well with a plug back depth of 6407'.

100 828 5100

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

LAND OFFICE **Salt Lake City**  
LEASE NUMBER **U-0574**  
UNIT \_\_\_\_\_

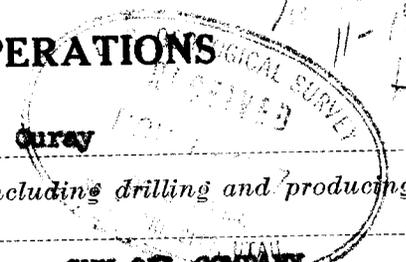
**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Gurey

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

Agent's address P.O. Box 1798 Company SUN OIL COMPANY  
Denver 1, Colorado Signed [Signature]

Phone AM 6-2181 Agent's title Div. Supt. - Oper. Dept.



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)
SW NE	9S	20E	2		-0-	-	2250MCF	none	none	Flowing well to clean up prior to Potential Test taken on 10-7-57  Well supplied gas 8 days for drlg oper. on Ute Trail Unit #3 @ est. rate of 200 MCF P/D

NOTE.—There were no runs or sales of oil; no M cu. ft. of gas sold;

no 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.

21

# HAVENSTRITE OIL COMPANY

R. E. HAVENSTRITE  
GENERAL PARTNER

811 WEST SEVENTH STREET  
LOS ANGELES 17, CALIFORNIA  
MICHIGAN 2601

February 5, 1958

U. S. GEOLOGICAL SURVEY

RECEIVED

FEB 17 1958

CASPER, WYOMING

MR. J. R. SCHMARRON  
Regional Oil & Gas Supervisor  
U. S. Geological Survey  
P.O. Box 400  
Casper, Wyoming

Re: UTE TRAIL UNIT No. 2 Well  
UTE TRAIL UNIT  
(No. 14-08-001-2952)  
Utah County, Utah

U. S. GEOLOGICAL SURVEY  
RECEIVED

FEB 24 1958

Dear Sir:

The Ute Trail Unit No. 2, formerly Sun-Continental South Ouray No. 2 (2130 SNL, 1820 WEL, Sec. 20, T. 9 S., R. 20 E.) was completed October 7, 1957, for an initial potential of 301 MCFGPD on a 1-in. choke, TP 50#, CP 300#. It is our position, and the position of Sun Oil Company, this is not now a commercial well, as a commercial well is defined in Paragraph 9 of the Unit Agreement. The following is a summary of geological and engineering data:

Sun Continental South Ouray No. 2 was drilled in 1952-1953 to TD 10,497 in Mancos sh (?). It was abandoned as dry hole March 14, 1953. Wasatch sandstone was logged from 6058-6240, and cored 6103-6123. On drill stem test 6072-6103, open 1 hr., shut in 20 min., there was gas to surface in 6 min., estimated rate 500 MCFPD, recovery 200 ft. heavily gas out mud, FP 0-0#, SIP 2300#, HP 3450#. On second drill stem test 6095-6123, open 1 hr., shut in 30 min., there was gas to surface in 8 min., rate not estimated, recovery 200 ft., slightly gas out mud, FP 0-0#, SIP 2350#, HP 3375#. Production casing was not set.

In the light of completion January 9, 1957, of well No. 52X-22B, 2 mi. east of South Ouray No. 2, for an initial potention of 4000 MCFGPD calculated open flow, from Wasatch sandstone 6345-75, and the shows in South Ouray No. 2, it was decided to work over the latter well.

Sun Oil Company started the workover August 28, 1957, as an Agent of Havenstrite Oil Company. Plugs were drilled out and 5½-in. casing set at 6407 with 350 sx. Wasatch sandstone was perforated 6193-6221, treated with 1000 gal. mud acid, and swabbed 1½ days (to bottom), with recovery of only mud acid, and fraced with

MR. J. R. SCHMIDT

30,000 gal. salt water and 30,000 lb. sand. The well yielded by flow and swabbing only salt water (frac. treatment) and a maximum 8-ft. gas flare, on 2-day test (September 8 and 9). Baker retrievable bridging plug was set at 6150. Wasatch sandstone was perforated 6075-6135 and treated with 1000 gal. mud acid. Well was swabbed, and flowed estimated 200 MCFGPD rate of 1-in. choke, TP 50#, CP 450#. The zone was then fraced with 30,000 gal. salt water and 30,000 lb. sand. Tubing was started in hole on September 13. Zone was tested through September 18, making only frac. water and small, unmeasured amount of gas. It was then acidized with 1500 gal. mud acid. The plug (6150) was pulled and the lower zone (6193-6221) was acidized with 1500 gal. mud acid. Both zones were then open and the hole completed with 301 MCFGPD on 1-in. choke. TP 50#, CP 300#.

Based on electric log and limited core analyses, and test history, net effective pay is 78 ft., and reservoir factors are estimated: average porosity 7.3%, average permeability less than 1 md., average connate water 37%, bottom hole pressure 2700#, bottom hole temperature 129° F.

Very truly yours,

HAVENSTRITE OIL COMPANY

By

John C. Gallham  
Attorney-in-fact

JCG:JH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 47-8356 A  
Approval expires 12-31-60.  
Salt Lake City, Utah  
LAND OFFICE  
LEASE NUMBER  
UNIT Ut's Trail Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1960.

Agent's address P. O. Box 523 Company DEKALB PETROLEUM CORPORATION  
Vernal, Utah Signed [Signature]  
Phone 1073 Agent's title Manager

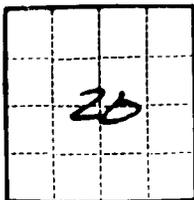
SEC. AND M OF M	TWP.	RANGE	WELL NO.	DATE Produced	BARRELS OF OIL	WEIGHT	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE PRODUCED	BARRELS OF WATER (If not a 30 state)	REMARKS (If drilling, specify if shut down, owner, date and result of test for possible control of gas)
NENE 22	9S	20E	72-22-B		-0-	-0-	-0-	-0-	-0-	Shut In
NWNE 22	9S	20E	52X-22-B		-0-	-0-	-0-	-0-	-0-	Shut In
SESE 2	10S	21E	48X-20		-0-	-0-	-0-	-0-	-0-	Shut In
SENE 9	10S	22E	63X-9H		-0-	-0-	-0-	-0-	-0-	Shut In
NWNW 21	10S	22E	11X-21-H		-0-	-0-	-0-	-0-	-0-	Shut In
SWNE 20	9S	22E	San # 2		-0-	-0-	-0-	-0-	-0-	Shut In

POOR COPY

Note.—There were No runs or sales of oil, No M cu. ft. of gas sold,  
No 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 9-581 a  
(Feb. 1958)



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0574  
Unit Ute Trail Unit

OCT 1960

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.....	<b>Subsequent Report of Testing</b> .....	<b>x</b>

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

October 26, 1960.

Well No. 2 is located 2130 ft. from  $\begin{matrix} N \\ S \end{matrix}$  line and 1820 ft. from  $\begin{matrix} E \\ W \end{matrix}$  line of sec. 20

C SW NE  
( $\frac{1}{4}$  Sec. and Sec. No.)

T-9-S, R-20-E  
(Twp.) (Range)

SLM  
(Meridian)

Ouray  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 4768 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 #2 South Ouray gas well was originally completed on October 7, 1957 for 301 MCFGPD. Subsequent testing indicates the well had not been cleaned up from mud invasion and salt water, the type of fluid used to frac the well. Intermittent testing and flowing of the well, over a period of two years, now indicates a open flow potential of 3,100 MCFGPD.

On July 23, 1960 a deliverability test was made on the #2 South Ouray well. The well had 2850 psi on the tubing & casing and was tested through a 7/64" choke with 640# back pressure over a period of 24 1/2 hours. At the end of the test the well was making 879,600 CFGPD plus 10.28 barrels of condensate. With the use of the flow rate and back pressure the well calculates out to 3,100 MCFGPD.

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

Company DEKALB AGRICULTURAL ASSN., INC.

Address P. O. Box 523

Vernal, Utah

By

D. F. [Signature]  
Title Geologist

**DEKALB**

*Agricultural Association Inc.*  
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523  
VERNAL, UTAH  
TELEPHONE 1073

July 25, 1961

The State of Utah  
Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 1, Utah

RE: Sun Oil Co. # 2  
South Ouray Unit  
Sec. 20, T9S, R20E  
Uintah Co., Utah

Attention: Ann W. Glines

Dear Madam,

Please find enclosed for your files a copy of the Electric Log and Gamma-Neutron Logs for the above captioned well. These are the only logs on the well which we could obtain and should fulfill your request to Sun Oil Company for logs on this well.

Yours very truly,

DEKALB AGRICULTURAL ASSN., INC.  
U. S. Oil Division

*M. C. Johnson*

M. C. Johnson  
Geologist

MCJ/da  
Encl.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R-3564  
Approval expires 12-31-60.

FIELD OFFICE Salt Lake city

LEASE NUMBER \_\_\_\_\_

UNIT Ute Trail

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County Uintah Field Ouray and Bitter Creek

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1961,

Agent's address P. O. Box 523 Company DeKalb Petroleum Corp.  
Vernal, Utah

Signed D. F. Jaddock

Phone 1073

Agent's title Drilling Supt.

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)
NENE 22	9S	20E	72-22-B		0	0	0	0	0	Shut in
NWNE 22	9S	20E	52-22B		0	0	0	0	0	Shut in
SESE 2	10S	21E	88X-2G		0*	0	0	0	0	Shut in
SENE 9	10S	22E	83X-9H		0*	0	0	0	0	Shut in
NWNW 21	10S	22E	11X-21H		0*	0	0	0	0	Shut in
SWNE 20	9S	20E	Sun # 2		0*	0	0	0	0	Shut in

\* Gas was taken from these wells to test lines. The Gas was metered and will be shown on the first production accounting when the pipe line is placed in operation.

NOTE.—There were NO runs or sales of oil; NO M cu. ft. of gas sold;

No 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.

DEKALB AGRICULTURAL ASSOCIATION, INC.

Sun #2, Uintah County, Utah

PRESSURE BUILDUP SURVEY  
6/26/62 to 7/3/62

A flowing pressure gradient was run with Amerada RFG 3 pressure gage #17860E (0 to 3500 psi) and a 3 hour clock at 1:25 PM, 6/26/62. The following steps were made:

<u>KB DEPTH</u>	<u>EXTENSION inches</u>	<u>PRESSURE psig</u>	<u>GRADIENT psi/ft</u>
0	.307	532	
1000	.315	545 +	.003
2000	.366	695	.099
3000	.440	798	.169
4000	.578	1005	.207
5000	.698	1224	.209
5500	.760	1321	.214
5750	.792	1377	.224
6000	.824	1433	.224
6075	.832	1448	.200

The above gradient shows approximate fluid level to be at 3000' B.

<u>Time &amp; Date</u>	<u>Hours Flowing</u>	<u>Extension inches</u>	<u>Pressure @ 6000' B psig</u>
1:25 PM, 6/26/62	0	.832	1448
	1/2	.832	1448
	1/6	.832	1448
	1/4	.832	1448

The well was shut in at 1:40 PM, 6/26/62.

<u>Time &amp; Date</u>	<u>Hours Shut in</u>	<u>Extension inches</u>	<u>Pressure @ 6000' B psig</u>
1:40 PM, 6/26/62	0	.832	1448
	1/4	.840	1462
	1/2	.847	1473
	3/4	.854	1485
	1	.860	1496

Pulled gage and reran with 180 hour clock.

BUILD UP

*Vt. Oil Unit*

SUN # 2

6-26-62 Ran two hour flowing test with Northern Petroleum Engineering Co. amerada Bomb, with 1st hour build up. Shown below is the dead weight surface pressure, Tubing pressure only as the casing valve was removed and a blanking plug put in the well head. Set Bomb at 6077' K.B.

ISITP 2840 psig                      ISIBHP 3281 psig @ 5000' K.B.

ISICP 2847 psig

First Production October 7, 1961

Accumulative Gas Production through June 26, 1962 23,562 MCF

SEVEN DAY BUILD UP

<u>DATE</u>	<u>TIME</u>	<u>SIPT psig</u>	<u>REMARKS</u>
6-26-62	3:30 P.M.	672	Set Bomb @ 6077 BHT 160°F
6-27-62	"	886	
6-28-62	"	1007	
6-29-62	"	1100	
6-30-62	"	1172	
7-1-62	"	1227	
7-2-62	"	1268	
7-3-62	"	1311	Pull Bomb

See Northern Petroleum Engineering Company's Report for Bomb Readings.

<u>Time &amp; Date</u>	<u>Hours Shot in</u>	<u>Extension Inches</u>	<u>Pressure @ 6080' LB psig</u>
	2	.867	1509
	3	.881	1514
	4	.899	1555
	5	.908	1578
	6	.910	1584
	7	.916	1595
	8	.922	1605
	9	.927	1615
	10	.933	1625
	11	.938	1633
	13	.948	1640
	15	.957	1666
	17	.965	1681
	19	.973	1695
	21	.980	1707
	23	.987	1729
	25	.994	1731
	27	1.002	1744
	29	1.008	1756
	31	1.014	1766
	33	1.020	1777
	35	1.026	1788
	37	1.032	1798
	39	1.038	1809
	41	1.044	1819
	43	1.050	1828
	45	1.056	1837
	47	1.062	1844
	51	1.068	1852
	55	1.070	1864
	59	1.079	1880
	63	1.087	1895
	67	1.094	1907
	71	1.102	1921
	75	1.105	1930
	79	1.110	1935
	83	1.114	1942
	87	1.119	1951
	91	1.124	1960
	95	1.129	1969
	99	1.133	1976
	103	1.137	1980
	107	1.141	1990
	111	1.145	1997
	115	1.149	2004
	119	1.153	2011
	123	1.156	2017
	131	1.160	2023
	137	1.164	2030
	143	1.168	2037
	149	1.172	2044
	155	1.175	2050
	161	1.179	2057
	167	1.183	2063

Bottom hole temperature - 160° F.

**DEKALB**

*Agricultural Association Inc.*  
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523  
VERNAL, UTAH  
TELEPHONE 1673

U.S. Geological Survey  
416 Empire Building  
Salt Lake City, Utah

Re: Abandonment Ute Trail Unit Wells  
Sun #2, 11-X, 8,9, & 14.

Dear Sir:

We enclose for your approval the original and first two carbon copies of form 9-331A sundry notice of intention to abandon the above referred to wells.

Yours very truly,

DEKALB AGRICULTURE ASSOC. INC.



J.F. TADLOCK  
Production-Drilling Supt.

JFT/ns

C.C. Working Interest owners  
W/attachment.

DATA SHEET  
AND ABANDONMENT PROGRAM  
SUN UNIT #2  
NE 20-9S-20E

History

T.D.: 10,498  
P.B.T.D.: 6307  
Tubular Record: 10 3/4" H-40, 32.75 lb. set @ 776'  
5 1/2" J-55 15:50 lb. set @ 6307' B.P. @ 6145'  
2 3/8" J-55 4.7 lb. set @ 6145'  
Perforations: Wasatch 6075'-6135'  
Initial Potential: 1,260 MCF/D non stabilized flow  
Production Data: Initial production rate 110 MCF/D  
Last production rate 35 MCF/D  
Cumulative production 20 months 41,406 MCF

Proposed Plugging Program

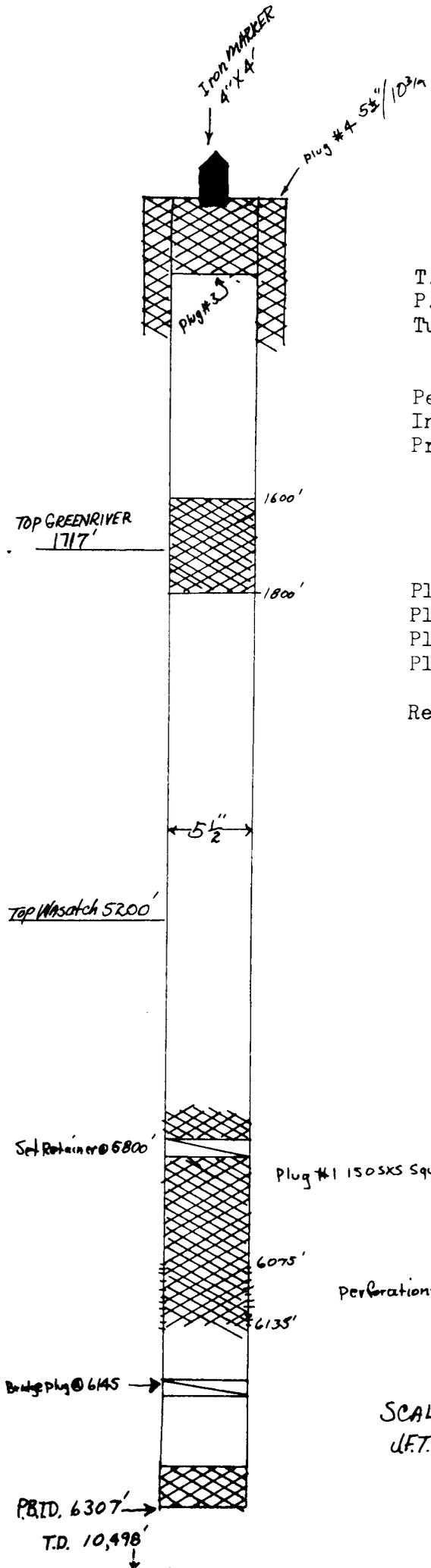
Plug #1 150 SXS Reg. Cemt. squeezed across perforations  
Plug #2 25 SXS Reg. Cemt. 1500'-1300' (Top of Green River)  
Plug #3 15 SXS Reg. Cemt. 100-0'  
Plug #4 100 SXS Reg. Cemt. Casing head squeeze between strings.

Remarks: Minimum of location work, one small burn pit to be backfilled and a tank pad to level. No Green River artesian water flow from this well.

This well is no longer capable of Producing gas in economic quantity.

DEKALB AGRICULTURE ASS'N., INC.

*J.F. Tadlock*  
J.F. Tadlock  
Prod. Drilling Superintendent



SCALE - NONE  
U.F.T. 4-1-64

*Copy H&C*  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other Instructions on reverse side)

DATE

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-0574

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Ute Trail Unit

8. FARM OR LEASE NAME

Sun

9. WELL NO.

Sun #2

10. FIELD AND POOL, OR WILDCAT

Ourey

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

20-T9S - R20 E - SLM

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1.  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
DeKalb Agric. Assoc. Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 523 Vernal, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
2130 ft. SNL, 1820 ft. WEL Sec. 20

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4770 D.F.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*  X  
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

It is intended to abandon this well, a long the following General Program: move over well with unit, pull tubing, run cast iron retainer, set above Wasatch perforations, squeeze Wasatch perforations, dump 20 SXS on top of retainer, pull tubing, perforate prod. csg. @ 2,500 set retainer and squeeze across Greenriver formation. Pull tubing, cap well W/ 100 ft. cement plug. squeeze final plug between production csg. and surf. csg.

DETAILED PLUGGING PROGRAM

- I. 150 SXS cement squeezed across Wasatch perforations & 20 SXS on top of retainer.
- II. Perforate production csg @ 2,500, set cast iron retainer, & squeeze Greenriver W/100 SXS.
- III. Cap W/15 SXS in top of 5 1/2" from 100'0'
- IV. Casing head squeeze between 5 1/2" csg. & 10 3/4" csg. W/100 SXS cement.
- V. Strip off well-head equipment, set iron location marker, min. 4' X 4" above grd. level. Clean level an abandon location.

Remarks 1. Production History & Data Sheet previously submitted.  
2. Disregard previous submittal to abandon dated April 23, 1964.

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

SIGNED J. J. Fallock TITLE Prod.-Drilling Supt. DATE June 12, 1964

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

APPROVED BY UTAH OIL AND GAS  
REGULATION COMMISSION

DATE 6/15/64 Paul M. Burhill  
CHIEF PETROLEUM ENG

!

UM BRANCH

LB158 KB146

K CJA011 PD VERNAL UTAH 22 1040A MST

PAUL W BURCHELL, OIL & GAS CONSERVATION COMMISSION

310 NEW HOUSE BLDG 10 EXCHANGE PLACE SALT LAKE CITY UTAH  
DEKALB WILL COMMENCE PLUGGING OPERATIONS ON THE UTE TRAIL UNIT  
SUN-2 WELL AT 7:00 AM WEDNESDAY JUNE 24, 1964 SHOULD YOU WISH  
TO WITNESS, LOCATION IS APPROXIMATELY THREE AND ONE HALF MILES  
SOUTH AND WEST OF OURAY UTAH

DEKALB AGRIC ASSOC INC J F TADLOCK PRODUCTION SUPT

2 7:00 AM 24 1964

(45).

1119A MST JUN 21 64

**DEKALB**

*Agricultural Association Inc.*  
COMMERCIAL PRODUCERS AND DISTRIBUTORS OF AGRICULTURAL PRODUCTS

U. S. Oil Division

P. O. BOX 523  
VERNAL, UTAH  
TELEPHONE 1873

June 13, 1964

Mr. Paul W. Burchell  
The State of Utah  
Oil and Gas Conservation Commission  
310 New House Building 10 Exchange Place  
Salt Lake City, Utah

Re: Abandonment DeKalb's Ute Trail Unit  
Wells Sun #2, Ute 4, 8, 9 & 11

Dear Sir:

Attached please find three copies each of U.S.G.S. form 9-331, Sundry Notice of intention to abandon the above referred to wells.

Reference is made to your letter of May 4, 1964 concerned with isolation of the Greenriver Formation. After thoroughly discussing the matter with our chief engineer, Mr. C.M. Heglin and the U.S.G.S. we have modified our plugging program to give adequate protection to the zones in question.

We request that you disregard our previous submittal on Form 9-331a dated April 23 and May 11, and base your approval on the attached program.

With reference to the Ute Trail unit #2, this well has been assigned to the U.S. Government as a water well and will be plugged as previously submitted. Also we propose to plug the Ute Trail Unit 11-X as previously submitted, as we plan to leave the intermediate casing in the well, consequently the Greenriver section will be adequately protected by the present plugging program and primary cement.

Upon receipt of approval we wish to begin plugging operations at once, we request that you give this matter prompt consideration. In the event you wish to witness the plugging of these wells we will be pleased to notify you of the exact starting date.

Very truly yours,

DEKALB AGRIC. ASSOC. INC.

*J.F. Tadlock*  
J.F. TADLOCK  
Production-Drilling Supt.

JFT/ns

C.C. Mr. C.M. Heglin, Chief Engineer  
DeKalb Petroleum

U.S.G.S., Mr. Rodney Smith, Dist. Engineer

FOUR COPY

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

SUBMIT IN  
(Other instr.,  
verse side)

Form approved.  
Budget Bureau No. 42-R1424

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p><b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b></p> <p><b>2. NAME OF OPERATOR</b> DeKalb Agric. Assoc. Inc.</p> <p><b>3. ADDRESS OF OPERATOR</b> P.O. Box 523 Vernal, Utah</p> <p><b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  2130 ft. SNL, 1820 Ft. WEL Sec. 20</p> <p><b>14. PERMIT NO.</b></p>	<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b> U-0574</p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b></p> <p><b>7. UNIT AGREEMENT NAME</b> Ute Trail Unit</p> <p><b>8. FARM OR TRACT NAME</b> Sun</p> <p><b>9. WELL NO.</b> Sun #2</p> <p><b>10. FIELD AND POOL, OR WILDCAT</b> Ouray</p> <p><b>11. SEC., T., R., E., OR BLE. AND SURVEY OR AREA</b> 20-T9S-R20E S.1M.</p> <p><b>12. COUNTY OR PARISH</b> <b>13. STATE</b> Uintah Utah</p>
<p><b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 4770 D.F.</p>	

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

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

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

6-23-64 To  
6-25-64 Moved over well with pulling unit pulled tubing, ran Howco D.C. retainer, set tool @ 5836 squeezed across Wasatch perforations with 150 SXS poz mix 290 gel max press 3000 p.s.i. drop bridging spear and spot 20 SXS cement plug on retainer from 5836-5636'. Perforated oposite Greenriver formation W/4 bulletts/ft. 2500'-2502', set Howco D.C. retainer @ 2371', cement W/100 SXS poz-mix max press 2500 p.s.i.. Cemented between strings W/100 SXS no pressure cement fell away-well making gas between 10 3/4 & 5 1/2" csg.

6-26-64 Recemented between 10 3/4 & 5 1/2" csg. W/100 SXS cement W/25#/SX Gilsonite, 8% gel 1/2# Flo-cele per SX and 3 1/2 % HA-5.

Set iron location, marker prep to clean level and abandon location.

I. Plug #1 Howco D.C. retainer B.P. @ 5836, W/150 SXS squeezed below tool, & 20 SXS 200' of plug from 5836-5636'.

II. Plug #2 Howco D.C. retainer @ 2371, squeeze across Greenriver perforations 2500-2502 W/100 SXS.

III. 20 SXS from 100-0' in top of 5 1/2" csg.

IV. 100 SXS pump between 10 3/4" & 5 1/2" csg. W.O.C. 24 hrs. still making small amount of gas, recemented between strings W/100 SXS W/25#/SX gilsonite 8% gel, 1/2 lb. flo-cele and 3 1/2 % HA-5.

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

SIGNED J. F. Fallick TITLE Production-Drilling Supt. DATE 8-4-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions on Reverse Side