

FILE NOTATIONS

Entered in MID File _____
Entered On S R Sheet _____
Location Map Placed _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief _____
Copy MID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

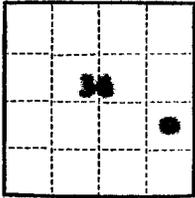
Date Well Completed 7-21-56
OW _____ WW _____ TA _____
GW _____ OS _____ PAX

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log 19-57
Electric Logs (No. 1 2)

L _____ E _____ GR _____ GR-N _____ Micro ✓
Let _____ Mill _____ Sonic _____ Others _____



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **UTAH**
Lease No. **97573**
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

May 22, 19 56

Well No. **2** is located **1900** ft. from **S** line and **600** ft. from **E** line of sec. **34**
NE SE Sec 34 (1/4 Sec. and Sec. No.) **17-S** (Twp.) **T-E** (Range) **SLM** (Meridian)
Wildcat (Field) **Emery** (County or Subdivision) **UTAH** (State or Territory)

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

DETAILS OF WORK

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

**We intend to set approximately 300 Ft. of 13 3/8 inch surface pipe.
 We intend to drill surface with mud, changing to air after setting pipe.
 Expect to encounter top of Ferron at + 3050 Ft. (Sea Level Datum).**

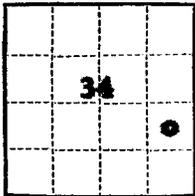
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **UTAH SOUTHERN OIL COMPANY**

Address **901 Utah Oil Building**

Salt Lake City, Utah

By *George J. Hansen Jr*
Title **Operations Manager**



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **UTAH**
Lease No. **07573**
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

May 22, 19 56

Well No. **2** is located **1980** ft. from **[N S]** line and **660** ft. from **[E W]** line of sec. **34**

NE SE Sec 34
(¼ Sec. and Sec. No.)

17-S
(Twp.)

7-E
(Range)

SLM
(Meridian)

Wildcat
(Field)

Emery
(County or Subdivision)

UTAH
(State or Territory)

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

DETAILS OF WORK

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

We intend to set approximately 300 Ft. of 13 3/8 Inch surface pipe.
We intend to drill surface with mud, changing to air after setting pipe.
Expect to encounter top of Ferron at + 3550 Ft. (Sea Level Datum).

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

Company **UTAH SOUTHERN OIL COMPANY**

Address **901 Utah Oil Building**

Salt Lake City, Utah

By *George Handorf*
Title **Operations Manager**

[Signature]

OIL WELL LOCATION CERTIFICATE

COMPANY Utah Southern Oil Company

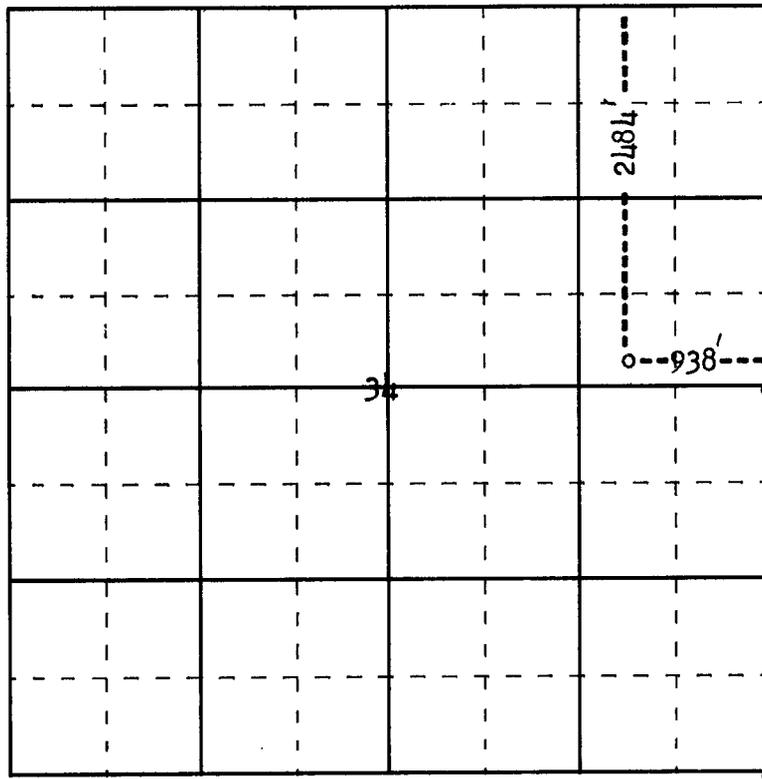
Well Name and No. _____ Lease No. _____

Location 2484 feet from the North line & 938 feet from the East line

Being in the SW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$

Section 34, T. 17 S, R. 7 E SLM Emery County, Utah

Ground Elevation 6876



Scale—4 inches equals 1 mile

Surveyed May 26, 31 and June 4, 1956

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

Paul Nyman
Registered Professional
Engineer and Land Surveyor

May 23, 1956

Utah Southern Oil Company
901 Utah Oil Building
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. 2, which is to be located 1980 feet from the south line and 660 feet from the east line of Section 34, Township 17 South, Range 7 East, S1E1M, Emery County.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

June 10, 1956

OIL & GAS SUPERVISOR
Oil & Gas Conservation Commission
Room 105 State Capitol Bldg.
Salt Lake City, Utah

Re: Stipulation

Gentlemen:

Utah Southern Oil Company is the owner of U. S. Oil & Gas Lease #07573, and proposes to drill a well on the leased premises to test for oil and gas at a location in the SW/4 of the SE/4 of NE/4, Section 34, Township 17-S, Range 7-E, S1M, Emery County, Utah. (2484 ft. from the north line and 938 ft. from the east line.)

State Oil & Gas Regulations require that no well be drilled less than 500 ft. from the boundary of any legal subdivision without written consent of the Supervisor, State Oil & Gas Conservation Commission. The proposed location is approximately 156 ft. from the south boundary line of SE/4 of the NE/4 of Section 34, but is considered to be necessary because of the conditions as follows:

a. Shot point #59 of our seismic survey is the high point of a rather small fault-closed structure. It is our desire to drill as close to this point as topography allows.

b. The topography of the area is one of south slope, covered by junipers and pinon pine, and highly dissected by dry steep walled gullies of a depth from 5 ft. to 50 ft. At the location indicated, a high point between the gullies exists which is large enough to accommodate a National 50 A Rig.

c. To move the location farther north would put some of the rig equipment on the steep slope of the gully. To move the rig to the south would necessitate a move of more than 600 ft., which would remove us from shot point #59, and bring us several hundred feet nearer the closing fault.

June 10, 1956

d. In the original survey of this area, the closest known corner lay 2 1/2 miles to the south and about 4 miles away by road traverse. It was our sincere belief that this location lay well within the area proposed in the original notice of intent. Because of this belief, the location was constructed (6 days with a D7 Cat), and the rig delivered, with intentions of spudding on June 15th. Because of lack of known corners and the possibility of locating another well on an adjacent structure in the area, a registered engineer was hired to cut a line through the excessive underbrush and to locate the corners. This survey indicated the correct location.

e. It may be well to indicate that the lease on all of Section 34 is a Federal Lease in our name, and that no draining of property owned by others can occur.

Therefore, Utah Southern Oil Company, Lessee, requests the consent of the Supervisor to the drilling of a proposed well at the above described location. In consideration of such consent, Utah Southern Oil Company, Lessee, hereby expressly covenants and agrees that it will make no separate assignments of the SE/4 of the NE/4 and the NE/4 of the SE/4, Section 34, Township 17-S, Range 7-E, SLM, and that it will keep the two described subdivisions under joint assignment until the above mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

By: Frank S. Pease
UTAH SOUTHERN OIL COMPANY

FSP/ej

Enclosure

Memo to Mr. H. F. Smart, Commissioner
Oil & Gas Conservation Commission

Reference is made to letter of June 10 1956
to you by Frank & Pease of the Utah
Southern Oil Company requesting
exception to well-cat well spacing
regulation C-3 for drilling a well
in SW⁴ & E⁴ Section 34, T. 17S, R. 7E,
Emery County, Utah.

Inasmuch as Utah Southern has conducted
a seismic survey in an attempt to ascertain
the structural geologic high in an
apparently faulted area, it is my opinion
the the applicant be granted favorable
consideration, and approval be given to the
well location as proposed.

Respectfully Submitted,

June 14, 1956.

Chas. A. Hauptman.
Petroleum Engineer.

UTAH SOUTHERN OIL COMPANY

UTAH OIL BUILDING
SALT LAKE CITY 1, UTAH

September 28, 1956

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

Attention: Mr. Cleon B. Feight

Dear Mr. Feight:

Enclosed is a copy of the Sample Description Log, Electric Log, and Microlog which you request in your letter of Sept. 26, 1956.

We are happy to provide you with this information, however, we would like to request that, since our activities in this area are not yet completed and this information has not been released to other oil companies, that these logs be retained in strict confidence.

Thank you for your cooperation.

Very truly yours,


Frank S. Peace *P.S.*
Geologist

FSP:di
Encl.

SAMPLE DESCRIPTION
GOVERNMENT #2 WELL
SW SE NE SEC. 34 T-17S R-7E
EMERY COUNTY, UTAH

L. A. Hale
BHA
11368

- 0 - 80' Gravel, sand pediment allurium.
- 80 - 640' Shale, dk gr, silty - v silty, calc.
- 640 - 1320' Shale, as above, and Sand, gr, vfg, sltly calc, very dirty.
- 1320 - 3825' Shale, dk gr, silty to sandy in part, calc. Traces of aragonite.
- 3825 - 3890' Sand, gr, fg to same mg, subangular, frosted, hard and tight.
- 3890 - 3905' Sand, do, possibly cave; Shale, dk gr, sdy, calc with traces of limestone and coal.
- 3905 - 4100' Sand, gr, vfg, calc hard and tight.
- 4100 - 4660' Shale, gr, silty, calcareous, traces of bentonite.
- 4660 - 4690' Sand, gr, f-mg, subrounded, poorly sorted, carbonaceous and shaly partings, Spotty stn.
- 4690 - 4730' Shale, variegated, grn to bl grn. silty, non calc.
- 4730 - 4800' Sand, gr, fg, hard and tight. No stn.
- 4800 - 4907' Shale, gr, grn, bl grn, and some chalky lime.

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
LOG OF OIL OR GAS WELL

FORM OGCC-3

Well No. 2, which is located 2484 ft. from (N/S) line and 938 ft. from (E/W) line of Section 34, Twp. 17-S, R. 7-E, SLM Wildcat Emery
(Meridian) (Field or Unit) (County)

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 as of July 21, 1956, and is to be kept confidential until July 21, 1956. (See Rule C-5).

Drilling operations were (completed) (suspended) (abandoned) on July 21, 1956.

Date: March 20, 1957. Signed: Frank S. Peace Title: Geologist
Company: Utah Southern Oil Company

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

IMPORTANT WATER SANDS OR ZONES

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

| Size of Hole | Size Casing | Weight per ft. | Threads per Inch | Make | Amount | Kind of Shoe | Cut & Packed from | Perforated from to | Purpose |
|--------------|-------------|----------------|------------------|------|--------|--------------|-------------------|--------------------|---------|
| 15" | 13 3/8 | 42# | 8 | J-55 | 373 GL | Hall. | -- | -- | Surf. |
| | | | | | | | | | |
| | | | | | | | | | |

MUDGING AND CEMENTING RECORD

| Size Casing | Where Set | Number of Sacks of Cement | Method Used | Mud Gravity | Amount of Mud Used |
|-------------|-----------|---------------------------|-------------|-------------|--------------------|
| 13 3/8 | 373 GL | 335 | Halliburton | | |
| | | | | | |
| | | | | | |

TOOLS USED

Cable Tools were used from _____ to _____ and from _____ to _____
Rotary Tools were used from 0 to 4908 and from _____ to _____

PRODUCTION

Put to producing: dry, 1956.
OIL WELLS: The production during the first 24 hours was _____ barrels of liquid of which _____% was oil; _____% was emulsion; _____% was water; and _____% was sediment. Gravity: _____

GAS WELLS: The production during the first 24 hours was _____ MCF plus _____ barrels of liquid hydrocarbon. Shut in Pressure _____ lbs. Length of time shut in _____.

FORMATION RECORD

| From | To | Thickness in feet | Formation | From | To | Thickness in feet | Formation |
|------|------|-------------------|--------------|------|----|-------------------|-----------|
| 0- | 3812 | 3812 | Marcos Shale | 4800 | -- | -- | T.D. |
| 3812 | 4130 | 318 | Ferron Sand | | | | |
| 4130 | 4640 | 510 | Blue Gate | | | | |
| 4640 | 4800 | 160 | Dakota Sand | | | | |

HISTORY OF WELL

6/15/56 Spudded in
6/20/56 Ran 596' of 13 3/8" 42# J-55 casing set at 373' GL
6/22/56 Drilled plug out of casing with air

HISTORY OF WELL (cont.)

6/23/56 Drilled with air to a depth of 4012'
7/4/56 Mixed mud and drilling with same
7/8/56 Core #1: 4192' to 4251'
7/9/56 DST #1: 4165' to 4251' - 10' mud
7/14/56 Core #2: 4654' to 4682'
7/15/56 Core #3: 4691' to 4721'
7/17/56 Core #4: 4735' to 4755'
4/21/56 p & a

| | | | |
|----------|-------------|----------------|---------|
| Plug #1: | Set @ 4630' | approx. fillup | 4560' |
| Plug #2: | Set @ 4112' | " | " 3947' |
| Plug #3: | Set @ 3812' | " | " 3745' |
| Plug #4: | Set @ 1800' | " | " 1735' |
| Plug #5: | Set @ 373' | " | " 330' |

4½' market set 5' above ground level.
Location will be cleaned up in a few days.

APR 19 1957

9

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
LOG OF OIL OR GAS WELL

FORM OGCC-3

Well No. 2, which is located 2484 ft. from (N/S) line and 938 ft. from (E/W) line of Section 34, Twp. 17-S, R. 7-E; SLM, Wildcat, Emery
(Meridian) (Field or Unit) (County)

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 as of , 19 , and is to be kept confidential until July 21, 1956. (See Rule C-5).

Drilling operations were (completed) (suspended) (abandoned) on July 21, 1956.

Date: March 20, 1957. Signed: Frank S. Peace Title: Geologist

Company: Utah Southern Oil Company

OIL OR GAS SANDS OR ZONES

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

IMPORTANT WATER SANDS OR ZONES

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

| Size of Hole | Size Casing | Weight per ft. | Threads per Inch | Make | Amount | Kind of Shoe | Cut & Palled from | Perforated from to | Purpose |
|--------------|-------------|----------------|------------------|------|--------|--------------|-------------------|--------------------|---------|
| 15" | 13 3/8 | 42# | 8 | J-55 | 373 GL | Hall. | -- | - - | Surf. |
| | | | | | | | | | |

MIDDING AND CEMENTING RECORD

| Size Casing | Where Set | Number of Sacks of Cement | Method Used | Mud Gravity | Amount of Mud Used |
|-------------|-----------|---------------------------|-------------|-------------|--------------------|
| 13 3/8 | 373 GL | 335 | Halliburton | | |
| | | | | | |

TOOLS USED

Cable Tools were used from to and from to
Rotary Tools were used from 0 to 4906 and from to

PRODUCTION

Put to producing: dry, 19 .
OIL WELLS: The production during the first 24 hours was barrels of liquid of which was oil; was emulsion; was water; and was sediment. Gravity:

GAS WELLS: The production during the first 24 hours was MCF plus barrels of liquid hydrocarbon. Shut in Pressure lbs. Length of time shut in .

FORMATION RECORD

| From | To | Thickness in feet | Formation | From | To | Thickness in feet | Formation |
|------|------|-------------------|--------------|------|----|-------------------|-----------|
| 0= | 3812 | 3812 | Mancos Shale | 4800 | -- | -- | T.D. |
| 3812 | 4130 | 318 | Ferron Sand | | | | |
| 4130 | 4640 | 510 | Blue Gate | | | | |
| 4640 | 4800 | 160 | Dakota Sand | | | | |

HISTORY OF WELL

6/15/56 Spudded in
6/20/56 Ran 396' of 13 3/8" 42# J-55 casing set at 373' GL
6/22/56 Drilled plug out of casing with air

(if additional space is needed use back of page or attach separate sheet)

(over)

HISTORY OF WELL (cont.)

6/23/56 Drilled with air to a depth of 4012'
7/4/56 Mixed mud and drilling with same
7/8/56 Core #1: 4192' to 4251'
7/9/56 DST #1: 4165' to 4251' - 10' mud
7/14/56 Core #2: 4654' to 4682'
7/15/56 Core #3: 4691' to 4721'
7/17/56 Core #4: 4735' to 4755'
4/21/56 p & a

Plug #1: Set @ 4630' approx. fillup 4560'
Plug #2: Set @ 4112' " " 3947'
Plug #3: Set @ 3812' " " 3745'
Plug #4: Set @ 1800' " " 1735'
Plug #5: Set @ 373' " " 330'

4½' market set 5' above ground level.
Location will be cleaned up in a few days.

APR 19 1957