Hope Syndicate

Daily Report - June 5, 1925.

Weather - Rain Roads - Wet

PROGRESS OF WELLS

Name of Field - Thompson Well No. 1

Drillers: R. B. Hollandsworth

Toolies: C. V. Falkner

Other Helpers: Elmer Petersen

Formation: Black shale, brown shale and yellow soapstone

Hole drilled from: 10 to 50 ft. Hole made: 40 Ft.

Remarks: Afternoon Tower

Itemize other work done and condition general work:

4 hours running 15½ inch casing

H.V.Francisco.

Hope Syndicate

Daily Report: June 6, 1925.

Weather: Clowdy Roads: Wet

PROGRESS OF WELL

Name of Field: Thompson Well No.1

Drillers: R.S.Morris

Toolies: Chas.Martin

Other Helpers: Elmer Petersen

Formation: Brown shale.

Hole drilled from: 50 ft. to 100 ft. Hole made: 50 ft.

Remarks: Morning tower.

Itemize other work done and condition general work.

Shut down 5 hours taking out top joint of casing and changing tools, etc.

H.V.Francisco.

Hope Syndicate

Daily Report: June 12,1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: R.S.Norris

Toolies: Chas.Martin

Other Helpers: Elmer Petersen

Formation: Black shale.

Hole drilled from: 390 to 410 ft. Hole made: 20 ft.

Remarks: Morning tower.

Itemize other work done and condition general work:

Gas pocket at 395 ft. shut down 5 hrs. breaking in jars and waiting on gas action.

H.V.Francisco.

Hope Syndicate

Daily Report: July 11,1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: Roy Russel

Toolies: Tom Thompson

Other Helpers: Petersen

Hole drilled from 813 to 813

Remarks: Afternoon tower.

Itemize other work done and condition general work:

Rigging up to run ten inch casing.

H.V.Francisco.

Hope Syndicate

Daily Report: July 12, 1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: J.M.Galli, Roy Russel

Toolies: W.F.Emery, Tom Thompson

Other Helpers: Elmer Petersen

Hole drilled from 813 to 813

Itemize other work done and condition general work.

Running ten inch casing account of hole casing and water.

H.V.Francisco.

Hope Syndicate

Daily Report: July 13,1925.

Weather: Clear  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No.1

Drillers: J.M.Galli

Toolies: W.Emery

Other Helpers: Petersen, Prigmore

Hole Drilled from 813 to 813.

Itemize other work done and condition general work:

Set casing at 813.

H.V.Francisco.

Hope Syndicate

Daily Report: July 14,1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: J.M.Galli

Toolies: D.Emery

Other Helpers: Petersen

Formation: Gray lime, hard sandstone

Hole drilled from: 813 to 832 Hole made: 18

Remarks: Morning tower.

Itemize other work done and condition general work:

Cleaning out and drilling water shut off.

H.V.Francisco.

Hope Syndicate

Daily Reports: July 26,1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: Roy Russell

Toolies: T.Thompson

Other Helpers: E.Petersen

Hole drilled from 1145 to 1145

Remarks: Afternoon tower.

Itemize other work done and condition general work:

Underreaming and putting in casing.

H.V.Francisco.

Hope Syndicate

Daily Report: August 14,1925.

Weather: Clear Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Drillers: Roy Ruswell

Toolies: E.Peterson

Other Helpers: O.Petersen

Hole drilled from 1162 to 1162

Remarks: Day light tower.

Itemize other work done and condition general work:

Cementing casing.

Hope Syndicate

Daily Report: August 19,1928.

Weather: Clear  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No.1

Driller: E.V.Francisco

Tool: L.Hendrick.

Other Helpers: None

Hole drilled from 1182 to 1206 Hole made: 48

Remarks: This is what you should talk to me personally about.

Itemize other work done and condition general work: Much fin or low to come down. Hole caving some.

E.V.Francisco.

(We believe this refers to supposed encountering potassium)
S.L. office

Rope Spudding

Daily Report: Aug.20,1928.

Weather: Fair  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No.1

Driller: N.V.Francisco

Tools: L.Kendrick

Other Helpers: None

Hole drilled from: None to None Hole Made: None

Remarks: Cleaning out casings; trying to get on bottom.

Itemize other work done and condition general work:

Hole caving badly.

N.V.Francisco.

Hope Syndicate

Daily Report: Aug. [illegible]

Weather: Clear  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No. 1

Driller: L. V. Francisco

Tool: L. Hendrick

Other Helpers: F. L. Chaffin

Formation: Red rock.

Hole drilled from 1210 to 1320  Hole made: 18

Remarks: Hole caving badly; decided to reduce hole and set 8¼ liner.

Itemize other work done and condition general work:

Recovered 4 joints at Western States Nat. Co. well. Went after pipe at 10 AM. pipe on location at 7:30 P.M. Had to fill in washes to get to it

Engage to or from Well No. V. A. Nov. 6th from or to Hope Syndicate

By Whom: M. M. Gear & Son.

Items hauled: 4 joints 8¼ OD 14.10 thread @ Daily cost $10.00.

[illegible]

Hope Syndicate

Daily Report: Sept.16,1935.

Weather: Clear  Roads: Bad

Progress of Wells

Name of Field: Thompson  Well No.1

Driller: R.V.Francisco

Tools: L.Kendrick

Other Helpers: E.Peterson

Remarks: Fishing out liner [illegible] on top in spider at 6:45 P.M. Good luck and big day's work. Murphy Bros. a[illegible] and Jordan plowing ditches and drains to prevent rain-thru washouts.

Hauling

By whom: Geo.Jones

Items hauled from: Cliff to Rig 24 /Sept.24 coming.The party who offered to haul for 40¢ would not do work this cost 60¢ a hundred.

R.V.Francisco.

Hope Syndicate

Daily Report: Sept.15,19__

Weather: Clear  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No.1

Driller: Levi Kendrick

Tool Dresser: A.Petersen

Other Helpers: Grant,Murphy,Hunter

Remarks: Running 8" casing.

Itemize other work done and condition general work:

Landed at 1870.

H.V.Prescott.

Hope Syndicate

Daily Report: Sept.30,194

Weather: Clear  Roads: Dry

Name of Field: Thompson  Well No.1

Drillers: Levi Kendereck

Toolies: K.Petersen

Other Helpers: Grant

Remarks: Landed pipe at 1299 in soft tops and mud

Itemize other work done and condition general work:

Bail water 500 ft.Down for 48 hour baling test.

H.V.Francisco.

Hope Syndicate

Daily Report: Oct.18,1925.

Weather: Clear  Roads: Dry

Progress of Wells

Name of Field: Thompson  Well No.1

Drillers: L.Kendrick - L.M.Shaffin

Tools: H.Peterson - R.Rashe

Hole drilled from 1400 to 1400

Itemize other work done and condition general work:

Getting ready to pull pipe - broke links on elevators on account of pipe being frozen; got pipe loose at 20. clock - started undercutting

H.V.Francisco.

Hope Syndicate

Daily Report: Oct.22,19__

Weather: Clear

Roads: Dry

Progress of Wells

Name of Field: Thompson Well No.1

Driller: L.M.Shaffin

Tool: R.Roebo

Hole drilled from 14 to 1400

Remarks: Running tower

Itemize other work done and conditions general work:

Underreaming at 1348

Shut down at 11 o'clock as logs are worn out

Ordered three sets of new gages.

E.V.Francisco.

Last report

~~6~~ 4-26 Well temporarily abandoned. Depth 1400'!
7-13-26 "

Material on ground

9-17-27
8¼" Casing showing seton spider with slips swedged To 2" & plugged.
Rig standing, 3 old bits part of blocks. No Bull wheels, ~~or~~ calf wheels, engine ~~or~~ Engine house, Nor belt house.
Some coal ~~[illegible]~~ Near rig.
H.V. Francisco Thomson Utah Name on several shipping Tags around rig.

Form 9-330

U. LAND OFFICE Salt Lake City
SERIAL NUMBER [illegible]
LEASE OR PERMIT TO PROSPECT Permit

LOCATE WELL CORRECTLY

# DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

Adapted from Graphic Logs and Drilling Reports furnished by G. W. Snyder, February 15, 1928.

# LOG OF OIL OR GAS WELL

Company Hope Syndicate Address 218 Salt Bldg., Salt Lake City, Utah.

Lessor or Tract Henry T. Jackson Permit Field Thompson State Utah

Well No. 1 Sec. 21 T. 22 R. 20 Meridian Salt Lake County Grand

Location 500 ft. [N.] of N. Line and 500 ft. [E.] of W. Line of NE¼ Sec. 21 Elevation 5,250' (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 George W. Snyder

Date Feb. 17-1928. Title Mgr.

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

Commenced drilling June 5, 1925 Finished drilling Oct. 22, 1925.

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from [illegible] to [illegible] No. 4, from ... to ...

No. 2, from 412' to 414' showing No. 5, from ... to ...

No. 3, from ... to ... No. 6, from ... to ...

### IMPORTANT WATER SANDS

No. 1, from 795' to [illegible] No. 3, from [illegible] to ...

No. 2, from 1242' to [illegible] No. 4, from ... to ...

### CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From | Perforated To | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

### HISTORY OF OIL OR GAS WELL

Please state in detail the dates of testing, perforating, shooting, or treating of the well. If it is of the greatest importance to have a complete history of the well, please state in detail the dates of testing, perforating, shooting, or treating of the casing, state when it was cemented, and if cemented, state the amount of cement used, the method used to test the casing, and the results of the test, and the dates of the same. Also give a complete history of the well, including the dates of drilling to the present time, the depth to which it was drilled, the dates of any stages of drilling to drill stem tests, the results of the same, and the dates of the same.

### MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| [illegible] | 1144' | [illegible] | | | |
| [illegible] | 1189' | | | | |
| | | Landed in soft rock and made 48 hours point plug bump check. | | | |

### PLUGS AND ADAPTERS

Heaving plug—Material ... Length ... Depth set ...

Adapters—Material ... Size ...

### SHOOTING RECORD

| Size | Shot used | Quantity used | Quantity | Date | Depth shot | Depth cleaned out |
|---|---|---|---|---|---|---|

FOLD MARK

FOLD | MARK

[illegible]

## 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 ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from 0 feet to 1400 feet, and from ..... feet to ..... feet

## DATES

....., 19..... Put to producing ....., 19.....

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

Gravity, °Bé. .....

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

Rock pressure, lbs. per sq. in. .....

## EMPLOYEES

H.V.Francisco, Driller

J.K.Gulli, Driller

H.S.Norris, Driller

Roy Russell, Driller

R.R.Hollandsworth

Lewi Kendrick

## FORMATION RECORD

| FROM | TO | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 10 | 10 | Menoos shale |
| 10 | 33 | 23 | Black shale |
| 33 | 40 | 2 | Sandstone |
| 40 | 248 | 208 | Brown shale |
| 248 | 412 | 164 | Black shale (395' gas pocket) |
| 412 | 414 | 2 | Gas and oil showing |
| 414 | 440 | 26 | Menoos shale |
| 440 | 445 | 5 | Lime rib |
| 445 | 460 | 15 | Blue shale |
| 460 | 595 | 135 | Blue gumbo |
| 595 | 625 | 30 | Menoos shale |
| 625 | 720 | 95 | Blue shale |
| 720 | 745 | 25 | Sandy shale |
| 745 | 755 | 10 | Hard shale |
| [illegible] | [illegible] | [illegible] | [illegible] shale |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] (water) |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] shale (salt) |
| [illegible] | [illegible] | [illegible] | Red rock |
| [illegible] | [illegible] | [illegible] | [illegible] shale |

FORMATION RECORD (Continued)

| FROM | TO | TOTAL FEET | FORMATION |
|---|---|---|---|

1162 - 10"

6—9745

## CASING RECORD

| Casing Size | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From | Perforated To | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

| | | | |
|---|---|---|---|
| No. 1, from | to | No. 4, from | to |
| No. 2, from | to | No. 5, from | to |
| No. 3, from | to | No. 6, from | to |

## IMPORTANT WATER SANDS

| | | |
|---|---|---|
| No. 1, from | to | |
| No. 2, from | to | |
| No. 3, from | to | |

## HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was pulled or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Progress as per graphic log.

| | | |
|---|---|---|
| June | 625' | 0-625 |
| July | [illegible] | 625-1145 |
| Aug. | [illegible] | 1145-1300 |
| Sept. | 1327' | 1300-1327 |
| Oct. | 100' | 1300-1400 |
| | 1400' | |

June 1-Cleaning up [illegible]

June 5 - Pulled 50' [illegible] casing

July [illegible]

Aug. 13- Cleaning and redrilling at 1145'

## FORMATION RECORD—Continued

| FROM | TO | TOTAL FEET | FORMATION |
|---|---|---|---|
| 1252 | 1257 | 5 | Water sand |
| 1257 | 1278 | 11 | Blue,gray shale |
| 1278 | 1312 | 34 | Hard sand |
| 1312 | 1320 | 8 | Lime,iron pyrite |
| 1320 | 1326 | 6 | Blue lime (water) |
| 1326 | 1342 | 16 | Fine,red sand |
| 1342 | 1350 | 8 | Lime,shale,sand |
| 1350 | 1360 | 10 | Lime,red sand |
| 1360 | 1368 | 8 | Lime and shale |
| 1368 | 1400 | 32 | Red rock |

Salt Lake

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 1928

# SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|---|
| NOTICE OF INTENTION TO DRILL | | SUBSEQUENT REPORT OF SHOOTING | |
| NOTICE OF INTENTION TO CHANGE PLANS | | RECORD OF PERFORATING CASING | |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF | | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF | | NOTICE OF INTENTION TO ABANDON WELL | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | | SUBSEQUENT REPORT OF ABANDONMENT | |
| NOTICE OF INTENTION TO SHOOT | | SUPPLEMENTARY WELL HISTORY | |

GEOLOGICAL SURVEY
RECEIVED
AUG 4 - 1928
SALT LAKE CITY, UTAH
MINERAL LEASING DIV.

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

July 26, 1928

Following is a {notice of intention to do work / report of work done} on land {patented / unpatented} under {permit / lease} described as follows:

Utah — Sunnyside — Thompson

(State or Territory) — (County or Subdivision) — (Field)

Well No. 1 — NE 21 — 20S — 8E

(Qtr. Sec. and Sec. No.) — (Twp.) — (Range) — (Meridian)

The well is located 500 ft. N of N line and 800 ft. E of W line of NE Qtr. Sec. 21

The elevation of the derrick floor above sea level is 5000 ft.

## DETAILS OF PLAN 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 wish to abandon this well in the following manner.
Bail all water possible from the hole and fill with heavy mud fluid(10 lbs to gal) to equint that will prevent the bottom of the hole from caving as the 8" casing is removed, reported at 1289'. After removing the 8" a cement bridge or plug will be placed approx. 1250' and at approx. 1162' (between 10"1165') These bridges will consist of not less than 5 sacks of cement each and will be tested for hardness after placing. The remainder of the hole will then be filled with heavy mud fluid and all of the 10" casing possible removed. The 10" is reported as set at 1165' and cemented with 65 sacks of cement.
After filling the hole to the surface with the heavy mud fluid the regulation 4" iron marker will be set simiiarly in cement at the top of the hole.
Note In case the 8" casing cannot be removed it will be shot at the points where the cement bridges are to be placed to allow the cement to pass outside of the pipe and prevent any migration.

Approved AUG 2 1928

W. H. STEARNS
Title DEPUTY SUPERVISOR
GEOLOGICAL SURVEY
Address SALTAIR, UTAH

Company Utah Syndicate
By George W. Snyder
Title President
Address 202 Boston Building, Salt Lake City

Burton

U. S. Land Office Salt Lake
Serial Number 029620
Lease or Permit Permit

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 19 1928
SALT LAKE CITY, UTAH
MINERAL LEASING DIV

# SUNDRY NOTICES AND REPORTS ON WELLS

| | | | |
|---|---|---|---|
| NOTICE OF INTENTION TO DRILL | | SUBSEQUENT RECORD OF SHOOTING | |
| NOTICE OF INTENTION TO CHANGE PLANS | | RECORD OF PERFORATING CASING | |
| NOTICE OF DATE FOR TEST OF WATER SHUT-OFF | | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF | | NOTICE OF INTENTION TO ABANDON WELL | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | | SUBSEQUENT REPORT OF ABANDONMENT | X |
| NOTICE OF INTENTION TO SHOOT | | SUPPLEMENTARY WELL HISTORY | |

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

Dec. 4, 1928

Following is a report of work done on land under permit described as follows:

Utah (State or Territory) Grand (County or Subdivision) Thompson (Field)

Well No. 1 NE 21 (¼ Sec. and Sec. No.) 22 S (Twp.) 20 E (Range) S. L. (Meridian)

The well is located 500 ft. N of N line and 500 ft. E of W line of NE¼ Sec. 21

The elevation of the derrick floor above sea level is 5250 ft.

## DETAILS OF PLAN 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.)

This well has been abandoned as follows: Commenced abandonment work Aug. 6, 1928. Hole found open to 1270'. Filled hole with heavy mud and soft rope to 1255'. Unable to pull 8¼" at this time. 6 sacks of cement placed at 1255' to 1200'. Shot 8¼" at 1162'. Filled with mud from 1200' to 1162'. 6 sacks cement placed at 1162'-1150'. Unable to pull 8¼" yet. Filled with mud to 1100'. Shot 8¼" at 1100', unable to pull. Filled with mud to 1050'. Shot 8¼" at 1050'. 8¼" off at 1042'. Filled with mud to 1022'. Pulled 1042' of 8¼". Shot 10" at 1022', unable to pull. Shot 10" at 955'. 10" off at 955' and pulled. Hole carving full as 10" removed. A bailing test made after the 10" casing was shot off at 955' showed no water coming in hole. Some 10¾" showed in hole but could not be pulled. Re 15¾" casing, reported set at 60', could be seen. Filled small amount of open hole left to top. Set 16' of 8¼" casing in cement for marker. Marker extends above ground approximately 8'. Abandonment completed August 30, 1928.

A. L. Nash Notes in charge

Sworn and subscribed to before me, a Notary Public, this 12 day of December, 1928

My Commission expires June 18, 1930 Timothy Dickinson residing at Salt Lake, Utah

Approved Dec. 20, 1928

W. B. Fleming
District Engineer
Geological Survey

Title District Engineer

Address Salem, Oregon

Company Thompson Syndicate

By E. M. Snyder

Title for Geo. W. Snyder, Pres.

Address 211 Felt Bldg.
Salt Lake City, Utah

NOTE.—Reports on this form to be submitted in triplicate to the Supervisor for approval.

## HOPE SYNDICATE WELL #1

C NW NE Sec. 21, 22 S., 20 E.,
500' S. of N. line, 500' E. of W. Line
of NW NE Sec. 21

Elevation 5250'
Thompson, Utah
Work commenced 6-5-25
Work ceased 10-22-25

| FROM | TO | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 10 | 10 | Mancos Shale |
| 10 | 38 | 28 | Black shale |
| 38 | 40 | 2 | Soapstone |
| 40 | 248 | 208 | Brown shale |
| 248 | 412 | 164 | Black shale (395' gas pocket) |
| 412 | 414 | 2 | Gas and oil showing |
| 414 | 440 | 26 | Mancos shale |
| 440 | 445 | 5 | Lime rib |
| 445 | 460 | 15 | Blue shale |
| 460 | 595 | 155 | Blue gumbo |
| 595 | 625 | 30 | Mancos shale |
| 625 | 720 | 95 | Blue shale |
| 720 | 745 | 25 | Sandy shale |
| 745 | 755 | 10 | Hard shale |
| 755 | 795 | 40 | Sandy, gray shale |
| 795 | 813 | 18 | Water sand |
| 813 | 825 | 12 | Hard sandstone |
| 825 | 885 | 60 | Gray lime |
| 885 | 940 | 55 | Gray shale |
| 940 | 970 | 30 | Gray lime |
| 970 | 1125 | 155 | Red rock |
| 1125 | 1145 | 20 | Gray shale |
| 1145 | 1170 | 25 | Red rock |
| 1170 | 1205 | 35 | Sandy gray shale |
| 1205 | 1220 | 15 | Red rock |
| 1220 | 1245 | 25 | Gray shale |
| 1245 | 1262 | 17 | White sand |
| 1262 | 1267 | 5 | Water sand |
| 1267 | 1278 | 11 | Blue, gray shale |
| 1278 | 1312 | 34 | Hard sand |
| 1312 | 1320 | 8 | Lime, iron pyrite |
| 1320 | 1326 | 6 | Blue lime (Water) |
| 1326 | 1342 | 16 | Fine, red sand |
| 1342 | 1350 | 8 | Lime, shale, sand |
| 1350 | 1360 | 10 | Lime, red sand |
| 1360 | 1368 | 8 | Lime and shale |
| 1368 | 1400 | 32 | Red rock |