

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON



JAN 13 1945

The Commissioner,
General Land Office.

Reference is made to memorandum of November 23 (Salt Lake City 054427 "N") from the Acting Chief, Mineral Division, requesting a report as to whether a well in the NE $\frac{1}{4}$ sec. 4, T. 27 S., R. 12 E., S.L.M., Utah, has been abandoned.

The area was visited by the district engineer, Salt Lake City, Utah, on December 18, 1944, who determined that the well, known as the Mt. Vernon well, is located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, instead of in the NE $\frac{1}{4}$ of the section as reported in September 26, 1929, with reference to Salt Lake City 043820. The location was determined from a section corner established by a public land survey made in 1934. It was reported that the well was drilled in 1912 to a depth of 2,710 feet.

On the basis of the available records and the recent inspection of the site, the Geological Survey considers the well to be satisfactorily plugged and abandoned.

For the Director

J. D. NORTHROP

cc - Casper (2)



Mr. Morgan phoned:

Regarding the Mt. Vernon well -

According to the map made by Wolverton in 1914, it is located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ section 4, T. 27 S., R. 12 E. There is only one copy of this map in existence that we know of, and is in the possession of Mr. Harvey D. Heist, Geologist, who secured the map from Mr. Wolverton a year or so after it was made. Mr. Wolverton was a very splendid engineer and surveyed the entire area of the Nequoia Arch, and his map now conforms very closely to the Surveys made of recent years. Although we were unable to locate the SW $\frac{1}{4}$ corner monument of section 4, the well was located approximately where we figured it would be from the Wolverton map.

30 bbl oil well

Per Map

Mt Vernon Well T.D. 2700' ^{oil}

Water Well T.D. 650'

~~Heist~~

12/18/44

W.W. = 4' No. of Mt. Vernon well.

Des Moines Well. loc = Sw Sw 19/26/13

350' - water sand

1000' - " Brackish, cased off at 1100'

2130' Oil sand, cased off at 2160'

2700' } oil shows
2740' }

T.D. - 2800' } oil sand
2910' }

306 Federal Building
Salt Lake City 1, Utah

December 19, 1944.

MEMORANDUM for the Supervisor, Casper, Wyoming.

Reference is made to Schwabrow's memorandum of November 29 transmitting copy of Brook's memorandum to the Director under date of November 23 requesting a report on the abandonment of a well in the NE $\frac{1}{4}$ section 4, T. 27 S., R. 12 E., on canceled permit Salt Lake City 043820.

A field trip was made to this well yesterday, and inasmuch as a GLO survey of the township was made in 1934, the NW corner of section 4, T. 27 S., R. 12 E., was located as well as the old Mt. Vernon well, the well referred to. The correct location of this well as near as I could ascertain by use of Brunton compass is the C SW $\frac{1}{4}$ SW $\frac{1}{4}$ section 4 instead of the NE $\frac{1}{4}$ of the section. The well has apparently been plugged and abandoned in a satisfactory manner with the 8 $\frac{1}{2}$ inch casing extending approximately one foot above the ground.

A well drilled for water supply was also located four feet north of the prospect well. It appears that the water well has since been utilized for stock watering purposes inasmuch as a 3 inch galvanized casing extends 4 feet above the surface with a well head with the 4 inch outlet plugged. Also 3/4 inch sucker rods extend approximately 2 feet above the head. The remains of a 50 foot water trough are also in evidence. An old blue print map of the area belonging to H. D. Heist, a consulting geologist, made in 1914 by Wolverton shows the Mt. Vernon well was drilled to 2710 feet and that the water well was drilled to 650 feet.

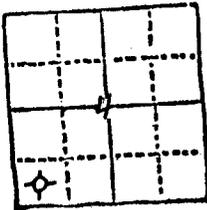
The Mt. Vernon well is reported to have been drilled in 1912 and appears to be in a satisfactory condition so that further bond liability, in my opinion, need not be required of a subsequent lessee.

C. A. Hauptman,
District Engineer.

cc: with original

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION BRANCH

PI (P) 13
Sec. 4
T. 27 S.
R. 12 E.
S. L. Mer.
Ref. No. 1



INDIVIDUAL WELL RECORD

(Section 13 permit issued under act of February 25, 1920. Well DFLA)

PUBLIC LAND:

Land office Salt Lake City State Utah
Serial No. 043820 (canc.) County Wayne
Permittee E. M. Day Field Flat Tops WC
~~xxxxxx~~
Operator Mt. Vernon Oil Co. District Utah
Well No. 1 Subdivision C Cor. SW 1/4 SW 1/4 Sec.
Location feet from N. S. line and feet from E. W. line of Sec.
Drilling approved DPLA, 19 Well elevation 5500 feet
Drilling commenced , 1912 Total depth 2950 feet
Drilling ceased , 1913 Initial production
Completed for production , 19 Gravity A. P. I.
Abandonment approved August 15, 1929 Initial R. P.

| Geologic Formations | | Productive Horizons | | |
|---------------------|-----------------|---------------------|---------------|---------------|
| Surface | Lowest tested | Name | Depths | Contents |
| <u>Navajo</u> | <u>Coconino</u> | <u> </u> | <u> </u> | <u> </u> |

WELL STATUS

| YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|---|----------------|------|------|------|-----|------|------|------|-------|------|------|------|
| <u>1945</u> | <u>P&A</u> | | | | | | | | | | | |
| <u>D P L A</u> <u>Drilled Prior To Leasing Act</u> | | | | | | | | | | | | |

REMARKS REPLACEMENT SHEET -- Corrected location based on the 1934 survey of the Township.
See U. S. G. S. Bull., 541-d, p. 9