

P-W

GOLDFIELD CONSOLIDATED MINING CO. #1-A
NE/NE Sec 2-T29N-R21W, Mohave Co. 8-4

County Mohave

Area Detrital Valley

Lease No. _____

Well Name GOLDFIELD CONSOLIDATED MINING CO. 1-A *Red*

Location NE/NE Sec 2 Twp 29N Range 21W Footage _____

Elev 1684 Gr _____ KB Date 7-57 ? Spud _____ Completed _____ Abandon _____ Total Depth 834

Contractor _____

Casing Size _____ Depth _____ Cement _____ Drilled by Rotary _____ Cable Tool _____

Production Horizon _____

Initial Production ABD-lost hole

broken bit in hole at 834'

REMARKS No salt found, Cored 356'-455'; 725'-730'; 730'-753'

Elec _____ Logs _____ Sample Log _____
Applic. _____ Plugging _____ Completion _____ Sample Descript. _____
to Plug _____ Record _____ Report _____ Sample Set _____
Core Analysis _____
DSTs _____

Water well accepted by _____

Bond Co. & No. _____

Bond Am't \$ _____ Cancelled _____ Date _____ Organization Report _____

Filing Receipt _____ Dated _____ Well Book _____ Plat Book _____

API No. _____ Loc. Plat _____ Dedication _____

Permit Number _____ Date Issued _____

8-4

Goldfield Consolidated #1+1A, 2-29N-21W
00954

B-4

CORE DESCRIPTION FROM WELL I & 1a

ZUBER LEASE
NE NE NE
Elev. 1684±4 NE 1/4 SECTION 2, T29N, R21W
Cores collected by John McKirahan
described by Dale Simpson

- 356-380' Tan brown clay generally well consolidated, in part silty clay, high angle rock cleavage ranging from vertical to about 45°, good core recovery but in part about 1" fragments (95% recovery), at 374' a compositional band indicates bedding at 65°.
- 380-395' Light brown siltstone with some clayey siltstone, siltstone generally massive but shows indication of bedding at 65°, rock contains one leached fragment of limestone, about 70% core recovery.
- 395-405' Fine grained sandstone, some biotite present, minor conglomeratic unit has 1/8" fragments of chert or quartz, about 80% core recovery, but core generally in fragments about 1/2-1", dip of conglomerate band about 65°.
- 405-406' Red brown clay in about 1" fragments, 70% core recovery.
- 406-415' Sandy to silty red brown clay, core partings at 50°, poor core recovery 30%.
- 415-425' No core, material too soft.
- 425-436' Fine grained sandstone with minor calcite cement, some bedding at 60°, fair consolidation of core and about 75% recovery.
- 436-445' Fine grained sandstone to siltstone, one minor clay parting, 15% core recovery.
- 445-455' No core recovered.
- 455' Bottom of coring
- 725-730' Medium grained quartz sandstone with 70% quartz grains subrounded to rounded, 10% chert, and calcite cement, 5% recovery, 50° dip.
- 730-747' No core, hole stopped at 747'

RECEIVED

APR 10 1972

O & G CONS. COMM.

8-4

2-29N-21W

#1A.

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B-4

PART 2

The following is a description of cores collected after the drill crew returned to hole 1a in an attempt to recover the hole.

- 730-751' No core recovered, but heaving sand present. Sand is a subrounded to rounded quartzose rock with sand size grains. Sand may be at two horizons.
- 751-753' Conglomeritic clayey Siltstone with clasts averaging 0.5". One limestone clast is apparently a boulder that was cored. Limestone light gray, fossiliferous, well consolidated and probably recrystallized. The fossil may be either a straight bryozoa or a fossil twig. One foot of core recovered.
- 753-834' Hole drilled, no core taken.
- 834' Broken drill bit in hole, hole abandoned.
No Salt

B-4

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Salt Deposits Date July 16, 1959
District Gold Basin, Mohave County Engineer Travis P. Lane, Dept. Nat. Res.
Subject: Information obtained in Kingman

I visited Mr. Bert Coleman, Mgr. of the Mohave County Chamber of Commerce in Kingman on July 8th concerning possible miner-cattlemen conflict of interest on grazing ranges; and at the same time I inquired re the salt deposit exploration being conducted by Goldfield Consolidated Mining Co. in the region near Temple Bar. Mr. Coleman said that he had visited the area following receipt of a letter addressed to the Chamber of Commerce by Mr. H. Hiale of Goldfield Consolidated Mining Co. He showed me the letter, dated Feb. 2, 1959, and I summarized it as follows:

Goldfield Consolidated Mining Co. is a Wyoming Corporation with offices at :

No. 1 Montgomery St., San Francisco, Calif. and 206 N. Virginia St., Reno, Nevada

Property: Early in 1957 the Company obtained a lease on 34 sections (15,360 acres) of potential salt bearing ground. The leasing agency was the Lake Mead National Recreation Area administered by the National Park Service. The center of the area is approximately 55 miles southeasterly from Boulder City -- 40 miles on Highway 93 and then 15 miles on the Temple Bar road. It is about the same distance northerly from Kingman.

To date 11 holes have been drilled for a total footage of 10,800 feet. 8 of the holes have partially delimited a salt deposit of high purity with length of 3 miles, width of at least 1 mile and an assured thickness of 500 feet. Additional drilling is planned. Salt recovery by brining and solar evaporation is proposed.

The letter stated that a market for 400 to 500 TPD exists at Henderson, Nevada, with Stauffer Chemical Co. accounting for the bulk of this use. That Company presently has a long term contract with the Leslie Salt Co. of Calif. to supply its needs. The letter also spoke of 2 firms having prospective plans for plants near Henderson to produce perchlorates for use in solid fuels. Also, the Hooker Electro-Chemical is reported to be considering the construction of a large chlorine plant in the Salt Lake City area.

The purpose of the letter was to apprise the Chamber of Commerce of the Company's favorable opinion as to the long range outlook for a regional salt industry and to enlist the Chamber's support in publicizing the advantages for plants, such as Hooker Electro-Chemical proposes, to locate near Boulder City because this location would be not far distant from large users on the west coast. Cheap Hoover dam power was cited as another attraction.

Mr. Coleman said he understood that Phelps Dodge was associated with Goldfield in the venture but said he could not vouch for the authenticity of this information.

Handwritten note: (to date) over 200,000

June 23, 1950

Mr. D.E.H. Mahoney
12910 Lauris Lane
Houston, 24, Texas

Dear Mr. Mahoney:

In regard to your inquiry of June 20th about the geology, production and consumption of NaCl in Arizona:

As of September, 1950, Goldfield Consolidated (now merged into American Chrome Company) had drilled extensive halite beds in the Petrified Wood area near Kennell's Landing opposite the mouth of the Virgin River at Lake Mead. A halite thickness exceeding 500 feet reportedly was drilled. A pilot plant had been constructed. Work had been discontinued through the summer, and our field engineer found no sign of recent activity when in the area in March of this year.

Other parties reportedly are interested in the plays beds of this area.

The enclosed photocopy of a 1928 article by J. W. McElvaney covers other areas from which no recent production is known to us.

Other references are:

- Phalen, W. C., Salt Resources of the U.S., U.S.G.S Bull. 649, 1919
Young, G. J. Prehistoric mining for rock salt at Camp Verde, Eng.Min.Jour., vol 124, p. 18, 1927.

Consumption in Arizona has increased with the recent commencement of a plant using a salt-coke segregation process for extraction of copper from oxide ores. Another development is a planned pulp mill to be built by the largest lumber company in Arizona. 1950 shipments of evaporated and rock salt from U. S. producers in Arizona were 10,000 and 13,000 short tons respectively.

If we can be of further service, please do not hesitate to call on us.

Yours very truly,

Enc
FK:lp

WALTER F. BRIDGES,
Director,
Dept. of Nat. Resources

8-4

MOHAVE COUNTY

Thursday: Visited Detrital Wash area near Bennelli's Landing. Goldfield Consolidated has drilled salt beds here and has constructed a pilot evaporative plant which includes vats and pumping system -- pushing water into a drill hole and returning brine to 6 evaporation vats. No one was present at the time of visit. I drove on to the Temple Bar ranger station where I interviewed Mr. Sutherland, the ranger. He described the work of Goldfield Consolidated and said work was suspended at the beginning of summer and was expected to resume about now. Mr. Heisel directed the work for the company.

T. F. LANE - WR - 9-28-59

The merger of Goldfield Consolidated Mines Company and American Chrome Company has been approved by stockholders. Two shares of Goldfield stock will be exchanged for each share of American Chrome.

Taken from MINING WORLD, January, 1960, p 65

SALT MINES

MOHAVE COUNTY
GOLD BASIN DISTRICT

Visited site of the Goldfield Consolidated salt project in Detrital Wash near Temple Bar on Lake Mead. There has been no recent company activity.

Visited Mr. Sutherland, the ranger stationed at Temple Bar. He reported that he had just received notice from the Park Service of an application for a sodium lease in Detrital Wash entered by a Mr. L. P. Cortin, Jr. The new lease application appears to overlap in some places the ground of the Goldfield Consolidated lease hold.

T. F. LANE - WR-3-12-60

8-4

DETRITAL WASH SALT DEPOSITS

MOHAVE COUNTY

GOLDFIELD CONSOLIDATED MINES CO. (Wyoming Corp.)

W. A. Swan, V. Pres.
206 N. Virginia St.,
Reno, Nevada

and No. 1 Montgomery St.
San Francisco, Calif.

W. A. Swan, also V. Pres. AMERICAN CHROME CO., Nye, Mont.
John L. Lukens, Treas.

4-22-58 - FPK night

Dr. W. H. Hiale was in relative to the salt well drilling his company, the Goldfield Consolidated Mines Company (American Chrome Co. of Montana). They have drilled 7 holes in the halite area at a place 7 miles south of Bonelli Landing, northwestern Mohave County. Their plans are for utilization of the deposit ore, as yet, are tentative dependent upon the selection of a proper mining method.

LEWIS A. SMITH - 4-22-58
Geologist, Dept. of Natural Resources

Mr. W. H. Hiale, engineer in charge of Gold Field Consolidated Mines (American Chrome Co. of Montana) reports that 7 holes had been drilled in the salt beds in northern Mohave County, 7 miles from Bonelli Landing, south. They have sunk 7 holes and drilled about 500 feet of halite with about 1500 feet of overburden. The area drilled covers about 2 miles long by one mile wide. He was in to confer on salt markets and the best mining method. They plan to develop and ship salt to the chemical plant near Las Vegas. He will submit a Mine Owner's Report later.

LEWIS A. SMITH - 4-22-58

KIMBER, ARIZONA - Phelps Dodge Corporation is drilling for borax on Goldfield Consolidated Mines Company's detrital halite saline project.

Taken from MINING WORLD, May 1959, p 31

see Article MINING WORLD, June, 1959, p 73

