[redacted]

M-d

Goldfield Consolidated Mng #8 7-8-6
SE/NE Sec 10-T29N-R21W, Mohave Co.

County Mohave

Area Detrital Valley

Lease No.

Well Name GOLDFIELD CONSOLIDATED ~~MINE~~ Mary #8 Fd

Location SE/NE Sec 10 Twp 29N Range 21W Footage 450 WEL - 2440 SNL

Elev 1845 Gr _____ KB Spud Date 10-7-58 Completed Abandon 1958 Total Depth 1066

Contractor

Drilled by Rotary
Cable Tool

Casing Size	Depth	Cement
5"	97'	
3"	585'	

Production Horizon

Initial Production

REMARKS Tp Salt 600' Drilled 1958

Tops

Muddy Crk 374(?)
Salt 600
T.D. in salt 1,066

Elec Logs

Sample Log
Sample Descript.
Sample Set
Core Analysis
DSTs

Applic. to Plug ___ Plugging Record ___ Completion Report ___

Water well accepted by

Bond Co. & No.

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

Filing Receipt _____ Dated _____ Well Book ___ Plat Book ___

Loc. Plat ___ Dedication

API No.

Permit Number — Date Issued _____

8-6

SE NE 10-29N-21W.
8-6

DRILL LOG

GOLDFIELD, DETRITAL VALLEY SALINE - HOLE NO. 8

Location: SE¼, NE¼ Section 10, Township 29N., Range 21W., Gila and Salt River Meridain

Elevation: ~~± 1845 Feet~~ 1780' - Letter W. H. Hisle to L. E. Mannion 6-23-65 ← use

Inclination: Vertical Depth: 1066 Feet

Type of Drills: Failing 1500 Rotary and Boyles - Joy 22 Diamond Drill

Date Started: October 7, 1958 Date Completed: October 28, 1958

Logged by: William H. Hisle

Feet From - To	Core Recovery, %	Bit Type & Size	Description and Remarks
97 - 374	—	4 3/4" Rock	Conglomerate with sandstone lenses, not cored.
374 - 604	—	4 3/4" Rock	Clay with Anhydrite and minor Gypsum. Halite at ±600'. Set 585' of 3" pipe as casing.
Top Salt 600'			
604 - 612 8'	90	NX - D.D.	Halite, ±5% Anhydrite and Clay partings.
612 - 624	100	NX - D.D.	Halite, ±10% Anhydrite and Clay.
624 - 637	100	NX - D.D.	Halite, ±5% Clay and Anhydrite.
637 - 655	100	NX - D.D.	Halite, ±10% Clay and Anhydrite.
655 - 659	100	NX - D.D.	Halite, ±5% Clay and minor Anhydrite.
659 - 671	95	NX - D.D.	Halite, ±10% Clay and minor Anhydrite.
671 - 673	100	NX - D.D.	Halite, ±15% Clay and Anhydrite.
673 - 674½	100	NX - D.D.	Halite, ±10% Clay and minor Anhydrite.
674½ - 685	100	NX - D.D.	Halite, ±20% Clay and Anhydrite.
685 - 688½	100	NX - D.D.	Halite, ±5% Clay

8-6

~~00973~~
8-6

Feet From - To	Core Recovery, %	Bit Type & Size	Description and Remarks
688½ - 695	92	NX - D.D.	Halite, ±10% Clay
695 - 696½	100	NX - D.D.	Halite, less than 5% Clay
696½ - 705½	100	NX - D.D.	Halite, ±15% Clay and Anhydrite
705½ - 706 ½'	50	NX - D.D.	Clay, ±20% Anhydrite and Halite
706 - 708½	100	NX -D.D.	Halite, ±5% Clay and minor Anhydrite
708½ - 712	100	NX - D.D.	Halite, ±20% Anhydrite and Clay
712 - 715	100	NX - D.D.	Halite, less than 3% Clay
715 - 717	100	NX - D.D.	Halite, ±5% Clay and minor Anhydrite
717 - 721	100	NX - D.D.	Halite, ±10% Clay and Anhydrite
721 - 732	100	NX - D.D.	Halite, ±15% Clay and Anhydrite
732 - 736	100	NX - D.D.	Halite, ±10% Clay and Anhydrite
736 - 741 5'	90	NX - D.D.	Halite, ±30% Clay and Anhydrite
741 - 744	100	NX - D.D.	Halite, ±10% Clay and minor Anhydrite
744 - 751	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
751 - 757	100	NX - D.D.	Halite, ±20% Anhydrite and Clay, Glauberite at 752.5'
757 - 762	100	NX - D.D.	Halite, ±10% Anhydrite and Clay
762 - 772	100	NX - D.D.	Halite, ±20% Anhydrite and Clay
772 - 776	100	NX - D.D.	Halite, ±5% Clay
776 - 784	100	NX - D.D.	Halite, ±30% Clay and Anhydrite, Clay very red at 783.5'
784 - 787	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
787 - 791	100	NX - D.D.	Halite, ±10% Clay and minor Anhydrite
791 - 800	90	NX - D.D.	Halite, ±5% Clay
800 - 811	100	NX - D.D.	Halite, ±15% clay and minor Anhydrite
811 - 817	100	NX - D.D.	Halite, ±30% Clay and Anhydrite

8-6

~~00974~~
8-6

Feet From - To	Core Recovery, %	Bit Type & Size	Description and Remarks
817 - 821	100	NX - D.D.	Halite, ±5% Clay
821 - 831	100	NX - D.D.	Halite, ±20% Clay and minor Anhydrite
831 - 835	100	NX - D.D.	Halite, ±5% Clay
835 - 839 - 4'	90	NX - D.D.	Halite, ±30% Clay and minor Anhydrite
839 - 848	100	NX - D.D.	Halite, ±5% Clay
848 - 856	100	NX - D.D.	Halite, ±20% Clay and minor Anhydrite
856 - 864	100	NX - D.D.	Halite, ±5% Clay
864 - 867	100	NX - D.D.	Halite, ±10% Clay
867 - 870	100	NX - D.D.	Halite, ±30% Clay and Anhydrite
870 - 871½	100	NX - D.D.	Halite, ±5% Clay
871½ - 876 4½'	95	NX - D.D.	Halite, ±30% Clay and Anhydrite
876 - 883	100	NX - D.D.	Halite, ±10% Clay and minor Anhydrite
883 - 901	100	NX - D.D.	Halite, ±15% Clay and Anhydrite
901 - 903 1'	90	NX - D.D.	Anhydrtic and Clay, minor Halite
903 - 910	100	NX - D.D.	Halite, ±30% Clay and Anhydrite
910 - 914	100	NX - D.D.	Halite, ±10% Clay and Anhydrite
914 - 918	100	NX - D.D.	Halite, ±40% Anhydrite and Clay
918 - 925	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
925 - 931	100	NX - D.D.	Halite, ±30% Clay and Anhydrite
931 - 932½ 1½'	90	NX - D.D.	Anhydrite and Clay
932½ - 935	100	NX - D.D.	Halite, ±20% Anhydrite and Clay
935 - 939	100	NX - D.D.	Halite, less than 1% visible impurities
939 - 939½ ½'	75	NX - D.D.	Anhydrite, minor Clay and Halite
939½ - 940	100	NX - D.D.	Halite, less than 1% visible impurities
940 - 940½	100	NX - D.D.	Anhydrite and Clay, minor Halite

~~00976~~
8-6

Page 4. Drill Log - Hole No. 8

10-29N-21W

Feet From - To	Core Recovery, %	Bit Type & Size	Description and Remarks
940½ - 943	90	NX - D.D.	Halite, ±50% Clay and Anhydrite
943 - 944	100	NX - D.D.	Anhydrite and Clay, minor Halite
944 - 962	100	NX - D.D.	Halite, ±20% Anhydrite and Clay
962 - 970½	100	NX - D.D.	Halite, less than 1% visible impurities
970½ - 971 ½	95	NX - D.D.	Clay and Anhydrite, minor Halite
971 - 972	100	NX - D.D.	Halite, ±15% Clay and Anhydrite
972 - 974	100	NX - D.D.	Clay and Anhydrite, minor Halite
974 - 980	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
980 - 991	100	NX - D.D.	Halite, ±15% Clay and minor Anhydrite
991 - 997	100	NX - D.D.	Halite, less than 5% Clay
997 - 1003 6	95	NX - D.D.	Halite, ±20% Clay and Anhydrite
1003 - 1006	100	NX - D.D.	Halite, ±15% Clay and minor Anhydrite
1006 - 1022	100	NX - D.D.	Halite, ±20% Clay and Anhydrite, 4" clay seam at 1013'
1022 - 1025	90	NX - D.D.	Halite, ±15% Clay and Anhydrite
1025 - 1036	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
1036 - 1039	100	NX - D.D.	Halite, less than 1% visible impurities
1039 - 1040	100	NX - D.D.	Halite, ±50% Clay and Anhydrite
1040 - 1042	100	NX - D.D.	Clay, minor Anhydrite and Halite
1042 - 1064	100	NX - D.D.	Halite, ±20% Clay and Anhydrite
1064 - 1066 T.D.	100	NX - D.D.	Halite, ±15% Clay and Anhydrite

8-6

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

Subject: Information obtained in Kingman

I visited Mr. Bart Coleman, Mgr. of the Mohave County Chamber of Commerce in Kingman on July 8th concerning possible miner-cattleman 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. Hisle 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 publicising 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.

Has spent (to date) over 150,000

8-6

June 23, 1950

Mr. D.R.H. Mahoney
11910 Laurie Lane
Houston, 24, Texas

Dear Mr. Mahoney:

In regard to your inquiry of June 10th about the geology, production and consumption of NaCl in Arizona:

As of September, 1949, Goldfield Consolidated (now merged into American Chrome Company) had drilled extensive halite beds in the Detrital Wash area near Bonnelli's Landing opposite the mouth of the Virgin River at Lake Mead. A halite thickness exceeding 300 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 playa beds of this area.

The enclosed photocopy of a 1920 article by J. B. [illegible] 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. 664, 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. 1948 shipments of evaporated and rock salt from U. S. producers to Arizona were 14,000 and 13,000 short tons respectively.

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

Very truly,

[illegible]

Dept. of Nat. R.

Gen
Philip

8-6

COPY

MOHAVE COUNTY

Thursday: Visited Detrital Wash area near Bonnelli's Landing. Goldfield Consolidated has drilled salt beds here and has constructed a pilot evaporative plant which includes vats and pumping system -- pumping 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 68

SALT DEPOSITS

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. Corbin, Jr. The new lease application appears to overlap in some places the ground of the Goldfield Consolidated lease hold.

T. P. LANE - WR-3-19-60

8-6

DETRITAL WASH SALT DEPOSITS MOHAVE COUNTY

GOLDFIELD CONSOLIDATED MINES CO. (Wyoming Corp.)
W. A. Swan, V. Pres.
206 N. Virginia St., and No. 1 Montgomery St.
Reno, Nevada San Francisco, Calif.

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

4-22-58 - FPK night

Mr. W. H. Hisle 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, northwest Mohave County. Their plans are for utilization of the deposit are, as yet, are tenative dependent upon the selection of a proper mining method.

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

Mr. W. H. Hisle, engineer in charge of Gold Field Consolidated Mines (American Chrome Co. of Montana) report that 7 holes had been drilled in the salt beds in northern Mohave County, 10 miles from Bealey Landing, south. They have sunk 7 holes and disclosed 500 feet of halite with about 500 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.

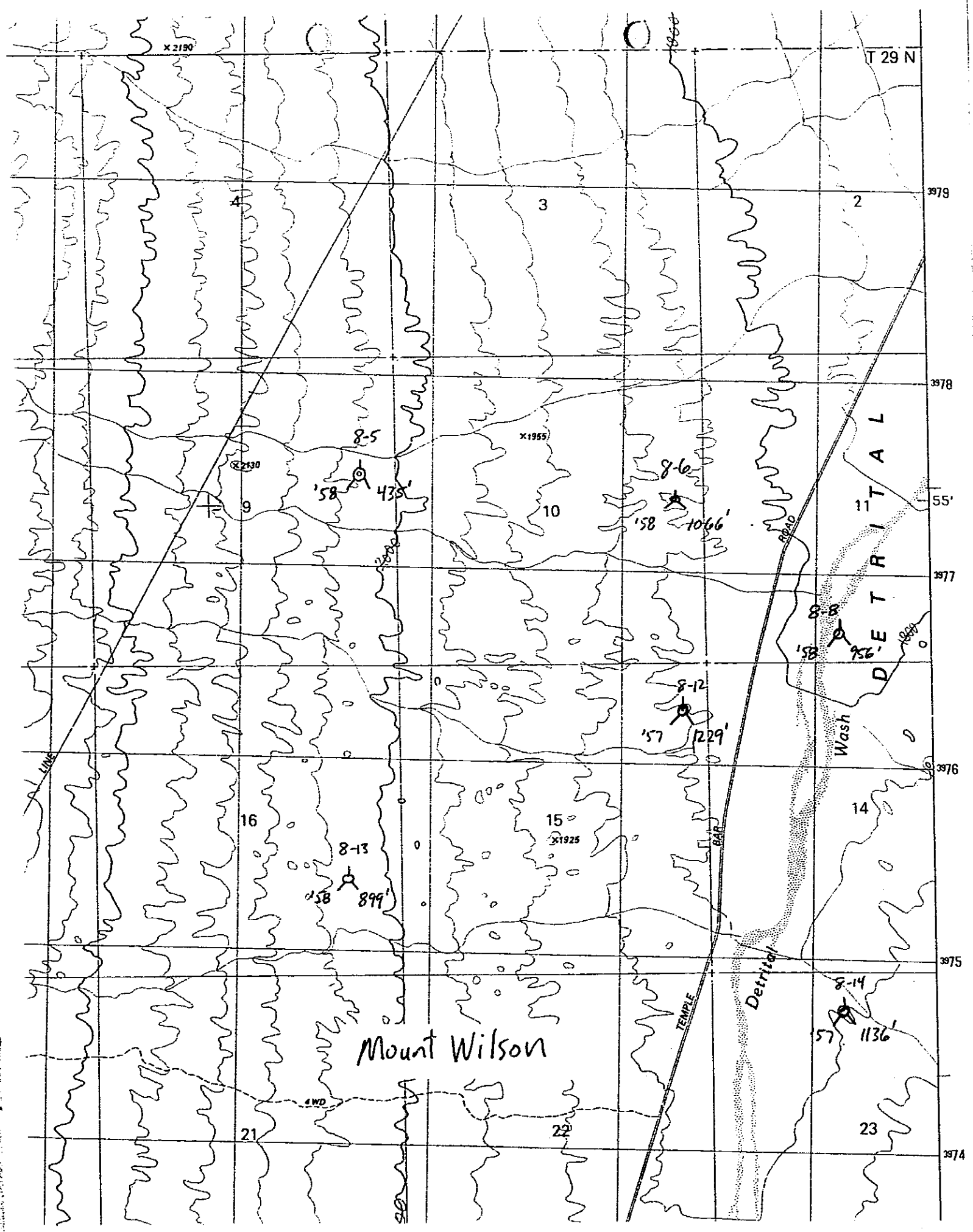
LEWIS A. SMITH - WR - 4-5-58

KINGMAN, ARIZONA - Phelps Dodge Corporation is drilling for borax on Goldfield Consolidated Mines Company's Detrital Valley Saline project.

Taken from MINING WORLD, May 1959, p 31

See Article MINING WORLD, June, 1959, p 73

8-6



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