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06/10/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DARLING CINDER PITS

ALTERNATE NAMES:

COCONINO COUNTY MILS NUMBER: 434A

LOCATION: TOWNSHIP 21 N RANGE 9 E SECTION 2 QUARTER S2
LATITUDE: N 35DEG 13MIN 22SEC LONGITUDE: W 111DEG 24MIN 36SEC
TOPO MAP NAME: WINONA - 7.5 MIN

CURRENT STATUS: PRODUCER

COMMODITY:
PUMICE CINDERS

BIBLIOGRAPHY:

ADMMR DARLING CINDER PITS
PITS EXTEND INTO SEC. 2 & 11
ADMMR MR-2, P. 26
MSHA INFO SUPP. #02-00181

Coconino County

ABSTRACTED FROM ADMMR ACTIVE MINES DIRECTORY, 1992

SUPERLITE BLOCK COMPANY

P.O. Box 23163, 4150 W. Turney, Phoenix, AZ 85063 - Phone 269-3561.

President Max Graves

Darling Cinder Pit T21N R9E Sec. 2

P.O. Box 30956, Flagstaff, AZ 86003-0956 - Phone 526-5499 - Employees: 5 -
Open pit mine east of Flagstaff - Volcanic cinders used to make building block
at Phoenix and Mesa plants.

Mine Superintendent Terry Mitchell

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President

Max Graves

Darling Cinder Pit T21N R9E Sec. 2

P.O. Box 40159, Flagstaff, AZ 86004 - Phone 526-5499 - Employees:
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President Max Graves

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T21N R9E Sec. 2

P.O. Box 40159, Flagstaff 86004 - Phone 526-5499 - Employees 5 - Open pit mine east of Flagstaff - Volcanic cinders used to make building block at Phoenix and Tempe plants.

Mine Superintendent Terry Mitchell

ABSTRACTED FROM ADMMR ACTIVE MINES DIRECTORY, 1988

SUPERLITE BUILDERS SUPPLY

P.O. Box 23163, 4150 W. Turney, Phoenix 85063 - Phone 269-3561.

President Fred Bengtson

Darling Cinder Pit

T21N R9E Sec. 2

P.O. Box 40159, Flagstaff 86004 - Phone 526-5499 - Employees 5 - Open pit mine east of Flagstaff - Cinder used to make building block at Phoenix and Tempe plants.

Mine Superintendent Terry Mitchell

To Santa Fe and Superlite pits, both mining in the Darling Cinder Pit, which is $1\frac{1}{2}$ miles north of Winona in Sections 2 and 11, T21N, R4E. Ted Webster is foreman for the superlite operation where four men are employed. They mine and screen from 5 to 13 railroad cars per day, paying 3¢ per ton royalty to Santa Fe and freight to Phoenix from \$270.00 to \$300.00 per car. After washing the cinder in Phoenix, they end up with about 2 cars of usable material out of three cars shipped. The Santa Fe operation consists of crushing and sizing. About 30 cars are produced per day. They collect \$600 per car plus or minus. F. L. Kidd is superintendent. R. D. Garland, Division Engineer, and T. A. Johnson, Foreman. Six are employed. FTJ WR 8/17/72

SUPERLITE'S DARLING CINDER PIT

COCONINO

NJN WR 4/12/85: Dennis Bryan with Engineering Testing Associates, 737 Glendale Avenue, Sparks, NV 89431 reported at the Industrial Minerals Symposium in Tucson that Arizona is #1 cinder producer in the country with an annual production of about 1 million tons. Superlite's Darling Cinder Pit (f) is the largest producer in the state. Mr. Bryan believes there are additional cinder producers in the Flagstaff area not listed in our Directory of Active mines.

RRB WR 8/16/85: Visited the Darling Pit (MILS 434-B) of Superlite Builders Supply. The property is obviously being operated but no one on the site when I visited. Took pictures for file.

NJN WR 10/10/86: Joe Elston, quality control manager for Superlite Builders Supply (f) 4150 W. Truley, Phoenix, Arizona 85019, 269-3561, visited. Superlite is looking for cinder and/or scoria deposits closer to the Phoenix markets than Flagstaff. They are also looking for suppliers for the Tucson market. The current cost to get a train carload of cinders from their Darling Cinder Pit (f) Coconino County to their plant in Tempe is \$1000. This includes a haul by truck from Grande Avenue to the Tempe yard. In conjunction with looking for alternate sources for the Tucson market, they will be examining the Douglas Cinder Plant (Cinder Hill Quarry - file) Cochise County next week and considering acquisition of the deposit.

AR JON DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Ted Webster Foreman for Superlite
Address: P.O. Box 12, Parks, Coconino Co. Az 86001
2. Mine: Darling Cinder Pit 3. No. of Claims - Patented _____
Unpatented _____
4. Location: 1/2 mi N of Winslow, Az.
5. Sec. 2411 Tp. 21N Range 9E 6. Mining District Flagstaff
7. Owner: Santa Fe R.R. Division - Flagstaff.
8. Address: Flagstaff
9. Operating Co.: Superlite Cinder Pit
10. Address: P.O. Box 12, Parks, Coconino Co. Az.
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: Cinder 14. No. Employed: _____
15. Mill, Type & Capacity: Screen - 5 to 15 rail road cars/day.
16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate 5-15 tpd: Car/day.
17. New Work Planned: _____
- _____
- _____
18. Misc. Notes: Superlite pay 3 cents/ton Royalty.
Freight cost to Phoenix \$20.00 to \$30.00/car.
After washing the 3 cars they net 2
cars of usable material.
- _____
- _____
- _____
- _____
- _____

Date: Aug. 17, 1972

F. T. Johnson
(Signature)

(Field Engineer)

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Mineral Building, Fairgrounds

Phoenix, Arizona

1. Information from: T. A. Johnson, Foreman

Address: Santa Fe R.R. Winslow, AZ 86047

2. Mine: Darling Cinder Pit 3. No. of Claims - Patented _____
Unpatented _____

4. Location: _____

5. Sec 2+11 Tp 31N Range 1E 6. Mining District Flagstaff

7. Owner: Santa Fe R.R.

8. Address: Winslow, Ariz

9. Operating Co.: Same

10. Address: _____

11. President: _____ 12. Gen. Mgr.: ^{Supt} F. L. Kidd

13. Principal Metals: Cinders 14. No. Employed: 6

15. Mill, Type & Capacity: Crushing & Sizing - 30 RR. Cars/day.

16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.

17. New Work Planned: _____

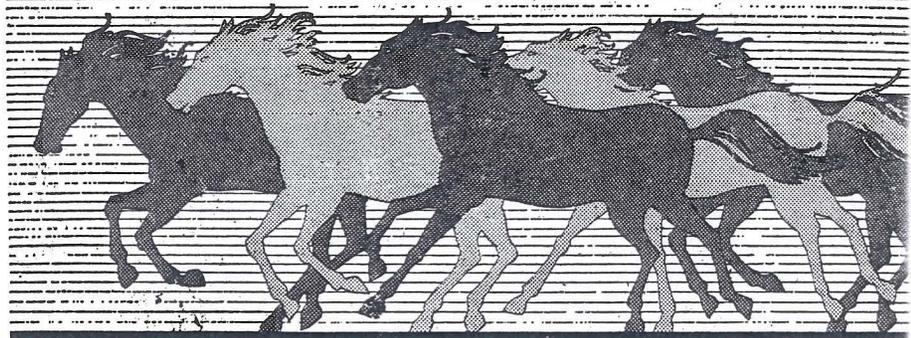
18. Misc. Notes: _____

Deans Johnson

Date: Aug 17, 1972

F. T. Johnson
(Signature) (Field Engineer)

Wild Horse Ranch Off To Fast Start 25% Sold in First Two Weeks



Many thanks Terry Witte, marketing director of Universal Homes, for his expertise and design at Wild Horse Ranch.

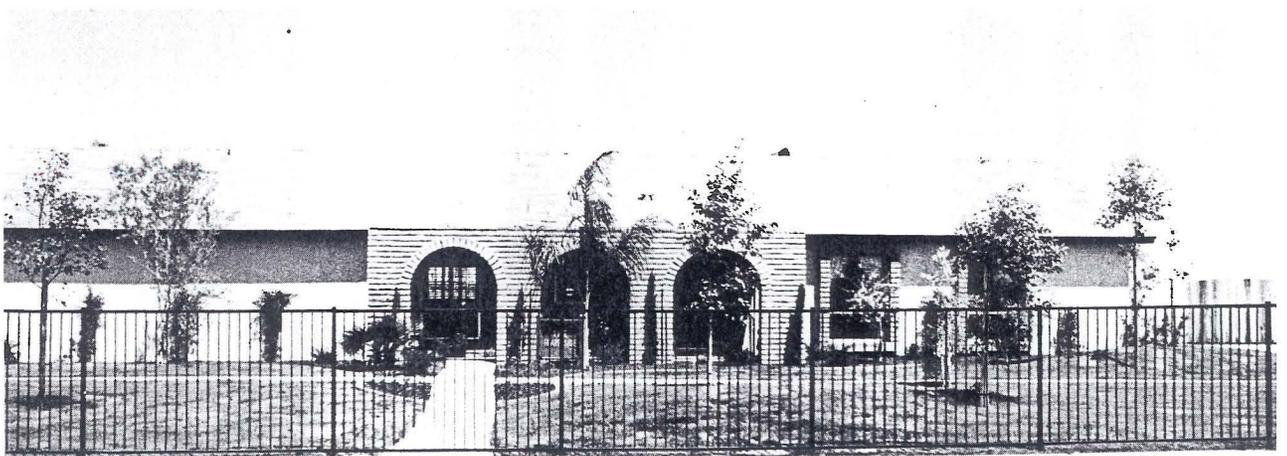
WILD HORSE RANCH

Universal Homes reports that record sales at their development at Wild Horse Ranch indicate that the home buyer is not willing to sacrifice luxury for economy. Located on 59th Ave. just south of Cactus Road, the 35 homes are situated on minimum 35,000 sq. foot lots, and are priced from \$57,995.00.

These homes offer the buyer many luxury features coupled with the room for each family to pursue any recreational needs such as tennis or horsemanship.

According to James W. Anderson, Vice-President of Universal Homes, they have made nine sales two weeks after their grand opening.

Each home located on a fully irrigated lot features a blocked-fence fully enclosed rear yard, and all underground utilities. Standard features in these totally electric homes are a fireplace, deluxe shag carpeting in the entry foyer, living room, formal dining room, hall and in all bedrooms.



One of the Four Elevations Available at Wild Horse Ranch. This One Features Spanish Arch Entry and Slump Block Fascia.

Moving Ahead with Concrete Block

Does the future of the construction industry in the Phoenix metropolitan area look bright? Superlite Builders Supply, Inc. thinks so, and to prove the point they have just completed and opened a brand new concrete block manufacturing plant on the west side of Phoenix.

Located on 42nd Avenue, just south of Camelback Road, the new low-profile buildings are easily seen from Grand Avenue. Railroad spur tracks enter the plant area on the east side providing rail delivery for cement and scoria, the volcanic cinders which are mined and crushed near Flagstaff, Arizona.

Superlite's third plant (the others are in Tempe and on W. McDowell Road) contains four large Besser V3-12 block machines which collectively are rated by the manufacturer to produce over 6,000 block per hour. This plant represents the most modern design for automated block manufacturing in the United States today and enlarges Superlite's total size to vie with the largest block companies in the world.

The long-term life signs for the Valley of the Sun are excellent, with strong potential growth for the future in population, personal income and industry predicted. Superlite management concurs with these predictions and views this new plant as a forward step toward achieving continued uniformity and quality in concrete masonry products. This is particularly important in the manufacture of slump block and special color split-faced units which are utilized in appealing designs around Phoenix by progressive Valley architects.

Block are usually produced from the concrete mix three at a time on a steel pallet by compaction and vibration of the machine. The steel pallet containing the block is conveyed to a storage rack, which when loaded is transferred via a rail car system to the curing kilns. Once in the kiln, the block are subjected to live steam bringing the air and block temperature up to about 185°F for about four hours and then gradually diminishing over another eight hours. The rack is then transferred to an unloading area where the block are unloaded, separated from the steel pallet, put into stacked cubes and stored in the yard. The entire manufacturing cycle is achieved through controlled automation.

Block are steam cured to accelerate the rate of strength gain and after curing have attained about 75% of their ultimate strength and are easily handled without breakage. Yard storage permits the block to shrink slightly while the moisture present is evaporated into the low-humidity Arizona atmosphere.

Naturally the blending of the materials, their mixing, compacting, curing and storage, all contribute to the quality of the block produced. To insure this quality and uniformity, frequent tests are performed at each of the stages of manufacture, culminating with the ultimate test of strength development. Strength is tested by subjecting the hardened block to compression failure on a special machine which records the number of pounds required to crush the block. Superlite tests new block produced in each of its facilities every day as a measure of quality control.

Like most materials used in construction, Superlite block must meet governmental code requirements and industry standards established to control strength, weight, moisture content, size uniformity and shrinkage. Such conformance tests are performed regularly by independent testing agencies for Superlite.

Since 1969 Superlite has been owned by U.S. Industries, Inc., a diversified manufacturing and services company whose products are sold on a world-wide basis. It is U.S.I. policy to produce competitive products of the highest quality, and completion of this concrete block plant in Phoenix assures this policy for their Superlite Division.

