

Form 9-551a
(Feb. 1954)

Budget Bureau No. 42-R358.4.
Form Approved.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Midland, Texas

Lease No. LC 008710-A

Unit RECEIVED

NOV 14 1963

D. C. C.
ARTESIAN OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

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

November 7, 1963

Well No. USA Light #2 is located 1980 ft. from N line and 860 ft. from E line of sec. 29

NE/4 of SE/4 18-S 30-E NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

North Benson Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)

Queen-Grayburg

The elevation of the derrick floor above sea level is 3424 ft.

DETAILS 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)

See attached sheet of details.

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U. S. GEOLOGICAL SURVEY
ARTESIAN, NEW MEXICO

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Floyd W. Smith & Co., Inc.

Address P. O. Box 1518

Midland, Texas

By Louis E. Haldorf

Title Assistant General Manager

U. S. A. LIGHT

Moved in and rigged up Davis Well Service Unit at 7:00 A. M. 10/17. Ran Gulberson KVL-30 packer and Gulberson KAV packer spaced 30' apart. Set packers to straddle perforations at 2070-2075. Pumped salt water down tubing at 5000# at rate of 3.5 BPM, obtained circulation behind 4 1/2" casing. Moved packers to straddle zone at 2025-2031. Pumped down tubing at 5000# at rate of 4 BPM, obtained circulation behind 4 1/2". POH.

Ran Hewco FTT8 packer on 2" tubing set at 2054' and squeezed perforations from 2044-2075 w/150 oz. Inconel. Maximum pressure 2000#. Staged last 5 barrels over two hour period, did not get squeeze job. Cleared perforations with water. Completed at 3:00 P. M. 10/19.

Squeezed same perforations with 150 oz. Inconel with 12.5# Gelsolve per oz. and 2% Ca Cl₂. Staged last six barrels, obtained squeeze pressure of 4200#. Reversed out 1 1/2 barrels. Job completed at 12:00 P. M. 10/19. POH.

10/22 Moved in Davis Well Service at 12:00 P. M. Ran cement bond log. Cement indicated to be O.K. Perforated 4 1/2" casing with 1-3/8" JHPP at 2592', 2600', 2608', and 2613'. Complete at 3:00 P. M. 10/22. Ran 2" tubing set at 2606'.

10/23 Acidized above perforations with 2000 gallons 15% NE acid, using one ball sealer after each 500 gallons acid. Foam broke at 3200 psi. Pulled 8 joints tubing; tubing set at 2555'. Frac treated down 4 1/2" casing and 2" tubing with 25000 gallons refined oil with 1 1/2 P8PO, preceded by 10 barrels refined oil mixed with 55 gallons Control Flo. Used 13 tons CO₂ pumped with frac oil. Maximum pressure 3800#. Average injection rate 12.5 BPM. Completed at 3:00 P. M. 10/23. OLTR 725 barrels.

U.S. A. LIGHT
ANTHONY J. HARRIS
10/23/73

