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to

**APPROVED**

(SUBMIT IN TRIPLICATE)

Land Office 7. 12.  
Lease No. 7781  
Unit K

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

JUN 24 1964  
Ronnie E. Shook  
ACTING DISTRICT ENGINEER

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	
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	X
NOTICE OF INTENTION TO ABANDON WELL		

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

JUNE 18, 1964

H. J. LOE

Well No. FEDERAL is located 1650 ft. from S line and 1346 ft. from W line of sec. 30

NE/4 SW/4 SECTION 30 16-S 31-E NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

RECEIVED

SQUARE LAKE EDDY NEW MEXICO  
(Field) (County or Subdivision) (State or Territory)

JUN 25 1964

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

O. C. C.  
ARTESIA, OFFICE

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)

ON APRIL 9, 1964, NOTICE OF INTENTION TO DRILL WAS APPROVED FOR THIS WELL. THE WELL WAS SPUDDOED ON APRIL 9, 1964, WHEN 13-3/8" O.D. CONDUCTOR PIPE WAS SET AND CEMENTED AT 35'. ROTARY TOOLS DRILLED OUT FROM UNDER THIS CONDUCTOR PIPE ON APRIL 13, 1964, AND ON APRIL 14, 1964, 8-5/8" O.D. SURFACE CASING WAS SET AT 323' AND CEMENTED WITH 50 SACKS. AFTER PRESSURE TESTING PIPE WELL WAS DRILLED TO A TOTAL DEPTH OF 3310', AND A SCHLUMBERGER SONIC-LOG-GAMMA RAY WAS RUN. AN OIL STRING OF 5 1/2" O.D. CASING WAS SET AT 3290' (KBM) AND CEMENTED WITH 150 SACKS ON 4-21-64. THIS CEMENT WAS PLACED IN TWO STAGES - 100 SACKS AROUND SHOE AND 50 SACKS AT TOP OF SALT AT 400'. THE CASING WAS PRESSURE TESTED AND FOUND TO BE HOLDING.

(CONTINUED ON PAGE 2)

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

Company WATER-FLOOD ASSOCIATES, INC.

Address 2211 CONTINENTAL NAT'L BANK BLDG.

FORT WORTH, TEXAS 76102

By C. W. Stumpe

Title CO-ORDINATOR WATER-FLOOD OPERATIONS

THE WELL WAS PERFORATED FROM 3086'-90' (4 HOLES) AND 3134.5'-47' (6 HOLES) ON 4-28-64. ON 4-29-64, THESE PERFORATIONS WERE ACIDIZED W/2000 GALLONS 7.5% ACID WHICH COMMUNICATED UP THE HOLE BEHIND THE PIPE. ON 4-30-64 THE 5½" O.D. CASING WAS RE-CEMENTED THROUGH CASING PERFORATIONS WITH 350 SACKS. AFTER DRILLING OUT CEMENT, WELL WAS SQUEEZED WITH 100 SACKS TO 3000 PSI.

THE UPPER PREMIER WAS ABRASIJETTED FROM 3087'-89' AND THE LOWER PREMIER FROM 3135'-46.5'. BOTH ZONES WERE TREATED WITH A TOTAL OF 25,000# OF SAND AND SLICK WATER.

WELL WAS PLACED ON PUMP ON MAY 7, 1964, AND PRODUCED 18 BO AND 22 BW DURING FIRST 24-HOUR PERIOD.

**APPROVED**

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*Ronnie E. Shook*  
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ACTING DISTRICT ENGINEER

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**O. C. C.  
ARTESIA, OFFICE**