

FORM C-104 COP. 4 RECEIVED 4

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U.S.G.S.

LAND OFFICE

TRANSPORTER OIL GAS

PRODUCTION OFFICE

OPERATOR

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

(Form C-104)  
Revised 7/1/57

## REQUEST FOR (OIL) (GAS) ALLOWABLE

JUL 2 1964

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Fort Worth, Texas July 2, 1964  
(Place) (Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Water-Flood Associates, Inc. H. J. Loe Federal Well No. 1, in NE 1/4 SW 1/4,  
(Company or Operator) (Lease)  
K Sec. 30, T. 16S, R. 31E, NMPM., Square Lake Pool  
Unit Letter

Eddy

Please indicate location:

D	G	B	A
E	F	G	H
L	K	J	I
M	N	O	P

1650.5 - 1346 W

(FOOTAGE)

Tubing, Casing and Cementing Record

Size	Feet	Sax
13-3/8"	35	3 yards ready mix
8-5/8"	323	50
5-1/2"	3290	600

County Date Spudded April 9, 1964 Date Drilling Completed April 21, 1964  
Elevation 3835' KBM Total Depth 3310' PBTD 3182'

Top Oil/Gas Pay 3085' Name of Prod. Form. Grayburg

### PRODUCING INTERVAL -

Perforations 3087' - 89' and 3135' - 47.5' (Abrasive Notches)  
Open Hole - Depth Casing Shoe 3290' KBM Tubing 3116'

### OIL WELL TEST -

Natural Prod. Test: N.A. bbls. oil, - bbls water in - hrs, - min. Size -  
Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 26 bbls. oil, 2 bbls water in 24 hrs, 0 min. Size Pump

### GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size  
Method of Testing (pitot, back pressure, etc.):  
Test After Acid or Fracture Treatment: MCF/Day; Hours flowed  
Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 44,000 gallons slick water, 32,300# sand.

Casing Press. 0 Tubing Press. 2000 Date first new June 16, 1964 (Pump into gun oil run to tanks bbl May 7 to June 16, 1964)

Oil Transporter Continental Oil Company

Gas Transporter No connection - gas volume too small

Remarks: See attached data sheet on completion history of well

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved JUL 2 1964, 19

WATER-FLOOD ASSOCIATES, INC.  
(Company or Operator)

By: C. W. Stumhoff  
(Signature)

OIL CONSERVATION COMMISSION

By: W. A. Gressett

Title CO-ORDINATOR WATERFLOOD OPERATIONS  
Send Communications regarding well to:

Title JUL 2 1964 OIL AND GAS INSPECTOR

Name 2211 Continental National Bank Bldg.  
Fort Worth, Texas 76102

On April 9, 1964, Notice of Intention to Drill was approved for this well. The well was spudded 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.

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 5 1/2" 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.

The well was tested until June 10, 1964 at which time it was producing 5 BOPD. On June 10, 1964, tubing and rods were pulled from this well, and a retrievable bridge plug was set at 3107' between the two sets of perforations at 3087'-89' and 3135'-46.5'.

The upper perforations from 3087'-89' were pressure tested and found not to be open. Apparently all of first frac job went out lower set of perforations from 3135'-46.5'. The upper perforations were broken down and treated with slick water and 7300# sand.

Well was potentialled for 26 BOPD and 2 BWPD