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Form 9-331 (May 1963) DEPARTMENT OF THE INTERIOR (Other Instructions on r GEOLOGICAL SURVEY	Form approved.
SUNDRY NOTICES AND REPORTS ON WELLS (D) not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such propos RECEIVED	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL GAS OTHER Re-Entry	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR JUN 4 1980 Arrowhead Oil Corporation	8. FARM OR LEASE NAME Tenneco
3. ADDRESS OF OPERATOR P. O. Box 548, Artesia, New Mexico 88210 ARTESIA, OFFICE	9. WELL NO.
<ol> <li>LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</li> </ol>	10. FIELD AND FOOL, OR WILDCAT <u>North Hackberry (Y-SR)</u> 11. SEC., T., E., M., OR BLK. AND SUBVEY OR AREA
1650' FNL & 990' FEL of Section $b$	(L-H 29-195-31E
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3481 GR	12. COUNTY OR PARISH 13. STATE Eddy N. M.
16. Check Appropriate Box To Indicate Nature of Notice, Report, or	Other Data
TEST WATER SHUT-OFF FRACTCRE TREAT SHOOT OR ACIDIZE NEPAIR WELL (Other) 17. DESS ENDER PROPOSED OR COMPLETED OFFERTIONS (Clearly state all pertinent data proposed work. If well is directionally drilled, give subsurface locations and measured and true vert nent to this work.)* Well was originally designated as Southwestern, Inc. Well No. Well was drilled total depth of 2322 feet in December 1963. purported to have been completed with initial potential of 33 no actual production was reported from the well and it was ab 1964 and plugged in summer 1964. 8 5/8" (28#) casing was cemented at 707' with 150 sa 4 1/2" (9.5#) casing was cemented at 2320' with 150 Plan to re-enter well with a reverse circulation unit and dri 2322 and attempt new completion in Yates-SR pay zone. Plan to commence operations on or about 5-12-80.	3 CEM. Although well was BOPD and 3 BWPD, bandoned in February, acks sacks H11-out to old TD of
18. I hereby certify that the foregoing is true and correct	MAY - 8 1339 U.S. LEOLOGIJAL SURVEY ARTESIA, NEW MEXICO
SIGNED	DATE <u>5-7-80</u>
(This space for Federal or State office use)          APPROVED BY	DATE2220

;

\*See Instructions on Reverse Side

N MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

Arcrowhead Oil Corporation       Tenneco-Rederal       1         Interfer       29       198       312       County         Score 1-projection       Part for some strong Washing Formation       Part for some strong Washing Formation       Description         1650       for some strong Washing Formation       Part for some strong Washing Formation       Part for some strong Washing Formation       Description         3460       Yastes-Seven Rivers       Morth Hackberry       40       Acres         3460       Yastes-Seven Rivers       Morth Hackberry       40       Acres         1       Outline the acreage dedicated to the subject well by colored pencil of bachure marks on the plat below.       1       Immession and the acreage dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).         3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forec-pooling, etc?       Immession         19       Yes       No       If answer is "no." list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if accessary)         No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forecapional main ano-stander unit, eliminating such interests, has been approved by the Commission.         Vest Torest description       <			All distances must b	from the outer boundar	les of the Section		۵
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Data Letter         Township         Township         Description         Description <thdescription< th="">         Description         <thd< td=""><td>Arrowhead</td><td>Oil Corporat</td><td>ion</td><td>Tenneco-F</td><td>ederal</td><td></td><td>1</td></thd<></thdescription<>	Arrowhead	Oil Corporat	ion	Tenneco-F	ederal		1
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# United States Department of the Interior RECEIVED

GEOLOGICAL SURVEY

P. O. Drawer U Artesia, New Mexico 88210 JUN 4 1980

O. C. D. May 28, 1997 ESIA, OFFICE

Arrowhead Oil Corporation P. O. Box 548 Artesia, New Mexico 88210 ARROWHEAD OIL CORPORATION Tenneco No. 1 1650 FNL 990 FEL Sec. 29 T.195 R.31E Eddy County Lease No. LC-063622

Gentlemen:

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO RE-ENTER the above-described well and clean out to a depth of 2,322 feet to test the Yates formation is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL LEASES, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the SURFACE USE PLAN and this approval including the GENERAL REQUIREMENTS.
- 3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance **associated** with road construction will be limited to 20 feet in width.
- 4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
- 5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- 6. Notify the Survey by telephone 24 hours prior to re-entry.
- 7. Special Stipulations: No caliche or other construction material will be removed from Federal lands or lands with Federal minerals for construction purposes.

8. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

.

(Orig. Sgd.) GEORGE H. STEWART

George H. Stewart Acting District Engineer

## SURFACE USE PLAN

#### FOR

# RE-ENTERING, COMPLETING AND PRODUCING

# ARROWHEAD OIL CORPORATION WELL #1 TENNECO FEDERAL 1650' FNL & 990' FEL SEC. 29-19S-31E EDDY COUNTY, NEW MEXICO

Well, which was originally designated as Southwestern, Inc. Well #3 CEM, was drilled to total depth of 2322 feet in December 1963, and was plugged in summer 1964 after failing to find commercial production.

LOCATED:	33 air miles east-southeast of Artesia, N. M.			
FEDERAL LEASE NUMBER:	LC 063622			
LEASE:	4-1-48 and is in its extended term by production.			
RECORD LESSEE:	Tenneco Oil Company			
OPERATOR'S AUTHORITY:	Designation of Operator from record lessee			
BOND COVERAGE:	Lessee's \$150,000 nationa-wide bond			
ACRES IN LEASE:	1080 acres			
SURFACE OWNERSHIP:	Federal			
SURFACE LESSEE:	Slash "X", c/o M. D. Irwin, P. O. Box 68-A, Logan, New Mexico 88246			
POOL:	North Hackberry, Y-SR (40-acre spacing)			
EXHIBITS:	A. Area Road Map B. Map Showing Existing Wells in Immediate Area C. Sketch of Well Pad			

RECEIVED

MAY - 8 1930

U.S. GEOLUGIJAL SURVEY ARTESIA, NEW MEXICO

# DIRECTIONS TO PROPOSED DRILLSITE

STARTING POINT is the intersection of NM-360 with NM-31 at the PCA mine. This point is 13.9 miles east from Artesia (US-285), then 19.2 miles southeast on NM-360.

0.00 Turn northeast on NM-31 and follow NM-31 for 5.45 miles.

5.45 Turn left (north) and proceed in northerly direction for 0.6 miles.

6.05 Turn right (east) and go 0.1 miles to wellsite.

6.15 WELLSITE

## THIRTEEN-POINT PROGRAM

# 1. EXISTING ROADS:

A. Existing roads are shown on Exhibits "A" & "B".

## 2. PROPOSED NEW ROAD:

A. No new road will be required. The existing road will be used for access to the well site. There will be no new surface disturbance.

#### 3. LOCATION OF EXISTING WELLS:

A. Existing wells in the immediate area are shown on Exhibit "B".

- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:
  - A. This is a producing lease, however existing wells and facilities are owned by other operators.
  - B. If the proposed well is productive, the tank battery and flow line will be located on the well pad and no additional surface disturbance will be necessary.
- 5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. Water necessary for operations will be purchased and hauled to the site over existing roads.
- 6. SOURCE OF CONSTRUCTION MATERIALS:
  - A. No construction material will be needed for this operation.

- 7. METHODS OF HANDLING WASTE DISPOSAL:
  - A. Drill cuttings will be disposed of in the drilling pits.
  - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
  - C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
  - D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - E. Trash, waste paper, garbage and junk will be buried and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
  - F. All trash and debris will be buried or removed from the well site within 30 days after finishing drilling and/or completion operations.

#### 8. ANCILLARY FACILITIES:

A. None required.

- 9. WELLSITE LAYOUT:
  - A. The relative location of the well pad and the mud pit with respect to the well bore is shown on Exhibit "C".
  - B. A caliche well pad is already in place and it will be used for this operation. There will be no surface disturbance except for opening the mud pit in the old pit area. There will be no new surface disturbance.

## 10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an as aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

#### 11. OTHER INFORMATION:

- A. <u>Topography</u>: The land surface is relatively level with regional slope to the south.
- B. Soil: The top soil is sand.
- C. <u>Flora and Fauna</u>: The vegetative cover is sparse and consists of mesquite, shinnery, weeds and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
- D. <u>Ponds and Streams</u>: There are no fresh water rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: Nearest occupied dwelling is  $\frac{1}{2}$  mile to the southeast.
- F. Archaeological, Historical, and Other Cultural Sites: None observed in the area.
- G. Land Use: Grazing and hunting in season.
- H. Surface Ownership: Federal.

## 12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan:

Mack Chase P. O. Box 540 Artesia, N. M. 88210 Office - 746-2422 Home - 746-4877

#### 13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by ARROWHEAD OIL CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

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ARROWHEAD OIL CORPORATION

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