

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 063622

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

Tenneco

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

X North Hackberry (Y-SR)

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

29-19S-31E

12. COUNTY OR PARISH

Eddy

13. STATE

N. M.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐ Re-Entry JUN 4 1980

2. NAME OF OPERATOR

Arrowhead Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 548, Artesia, New Mexico 88210 O. C. D. ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1650' FNL & 990' FEL of Section

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3481 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐Re-Entry ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was originally designated as Southwestern, Inc. Well No. 3 CEM.

Well was drilled total depth of 2322 feet in December 1963. Although well was purported to have been completed with initial potential of 33 BOPD and 3 BWPD, no actual production was reported from the well and it was abandoned in February, 1964 and plugged in summer 1964.

8 5/8" (28#) casing was cemented at 707' with 150 sacks

4 1/2" (9.5#) casing was cemented at 2320' with 150 sacks

Plan to re-enter well with a reverse circulation unit and drill-out to old TD of 2322 and attempt new completion in Yates-SR pay zone.

Plan to commence operations on or about 5-12-80.

18. I hereby certify that the foregoing is true and correct

SIGNED

James A. Knauf

TITLE Agent

DATE 5-7-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE 5-22-80

CONDITIONS OF APPROVAL, IF ANY:

*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

All distances must be from the outer boundaries of the Section.

Operator Arrowhead Oil Corporation			Lease Tenneco-Federal		Well No. 1
Unit Letter H	Section 29	Township 19S	Range 31E	County Eddy	
Actual Footage Location of Well: 1650 feet from the North line and 990 feet from the East line					
Ground Level Elev. 3480	Producing Formation Yates-Seven Rivers		Pool North Hackberry		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is 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, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

		Well was drilled as Southwestern, Inc. Well No. 3 CEM
		RECEIVED MAY - 8 1980 U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name **James A. Knauf**

Position

Agent

Company

Arrowhead Oil Corp.

Date

5-7-80

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Re-Entry

Date Surveyed

11-19-63

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No.

676

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



N.M.O.C.D. COPY

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, 1980 **ARTESIA, OFFICE**

Arrowhead Oil Corporation
P. O. Box 548
Artesia, New Mexico 88210

Gentlemen:

ARROWHEAD OIL CORPORATION
Tenneco No. 1
1650 FNL 990 FEL Sec. 29 T.19S R.31E
Eddy County Lease No. LC-063622

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 1960

U.S. GEOLOGICAL 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. Topography: The land surface is relatively level with regional slope to the south.
- B. Soil: The top soil is sand.
- C. Flora and Fauna: 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. Ponds and Streams: 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 548
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.

ARROWHEAD OIL CORPORATION

5-7-80
Date

by 
James A. Knauf, Agent

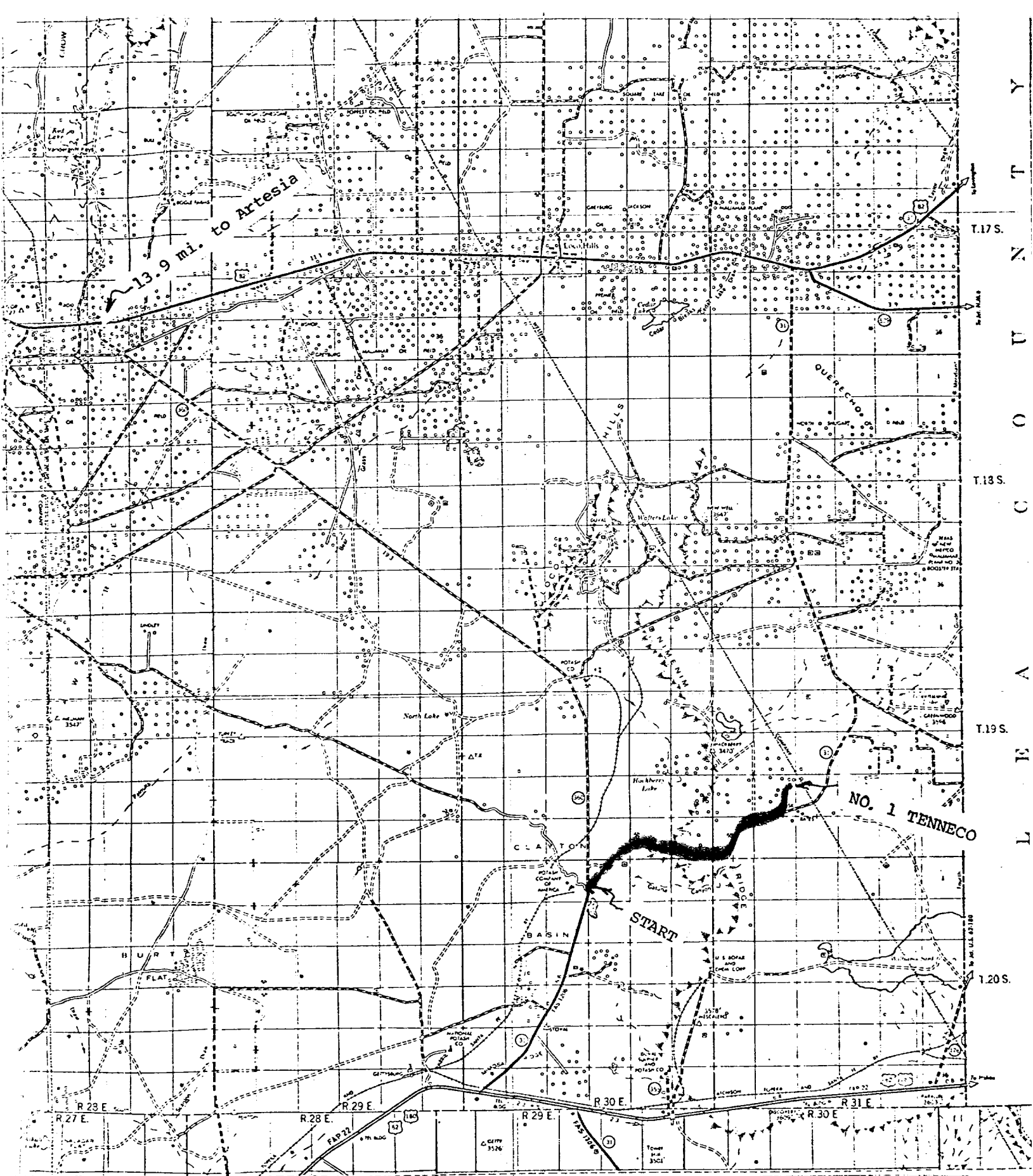
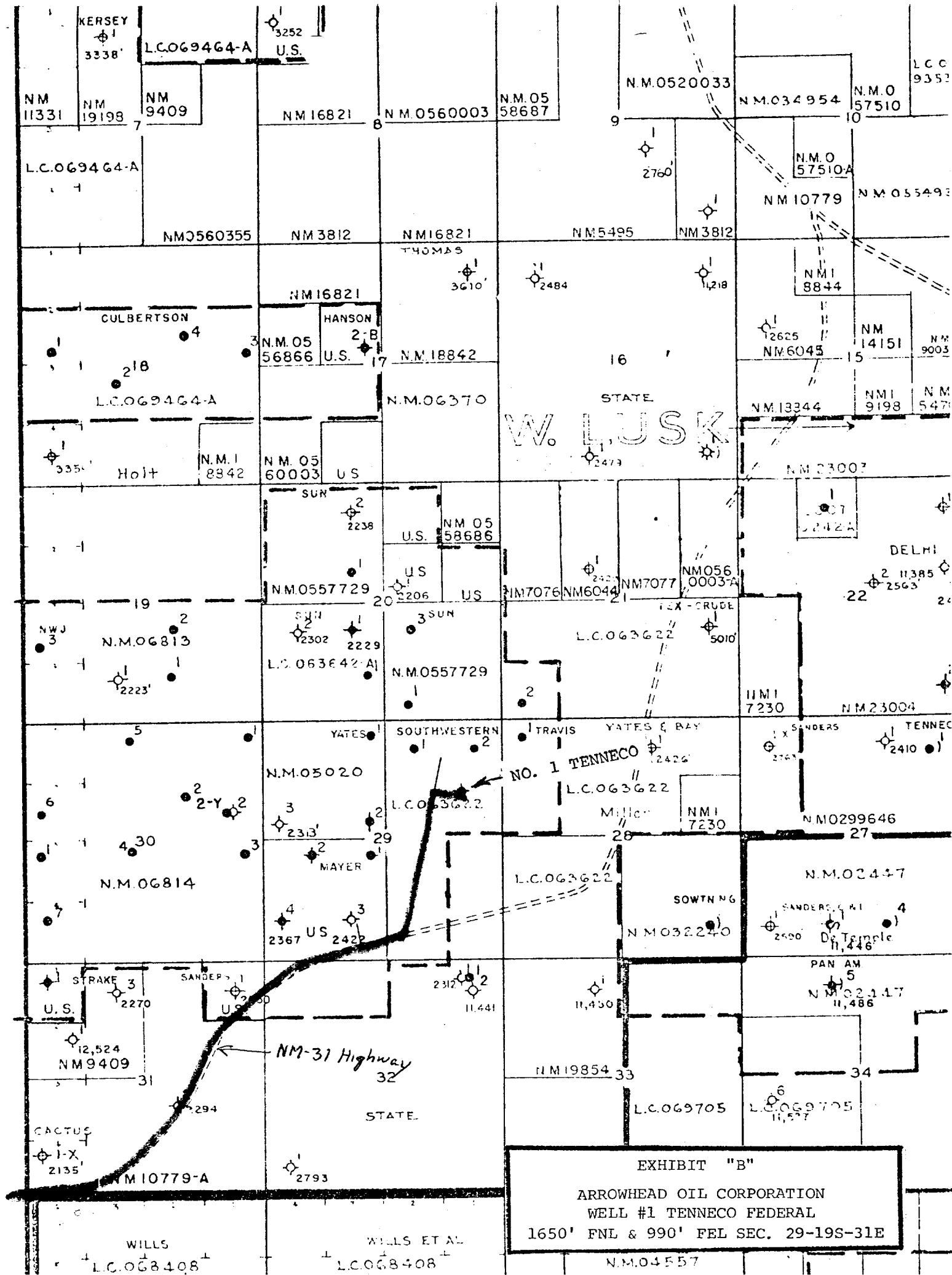


EXHIBIT "A"

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



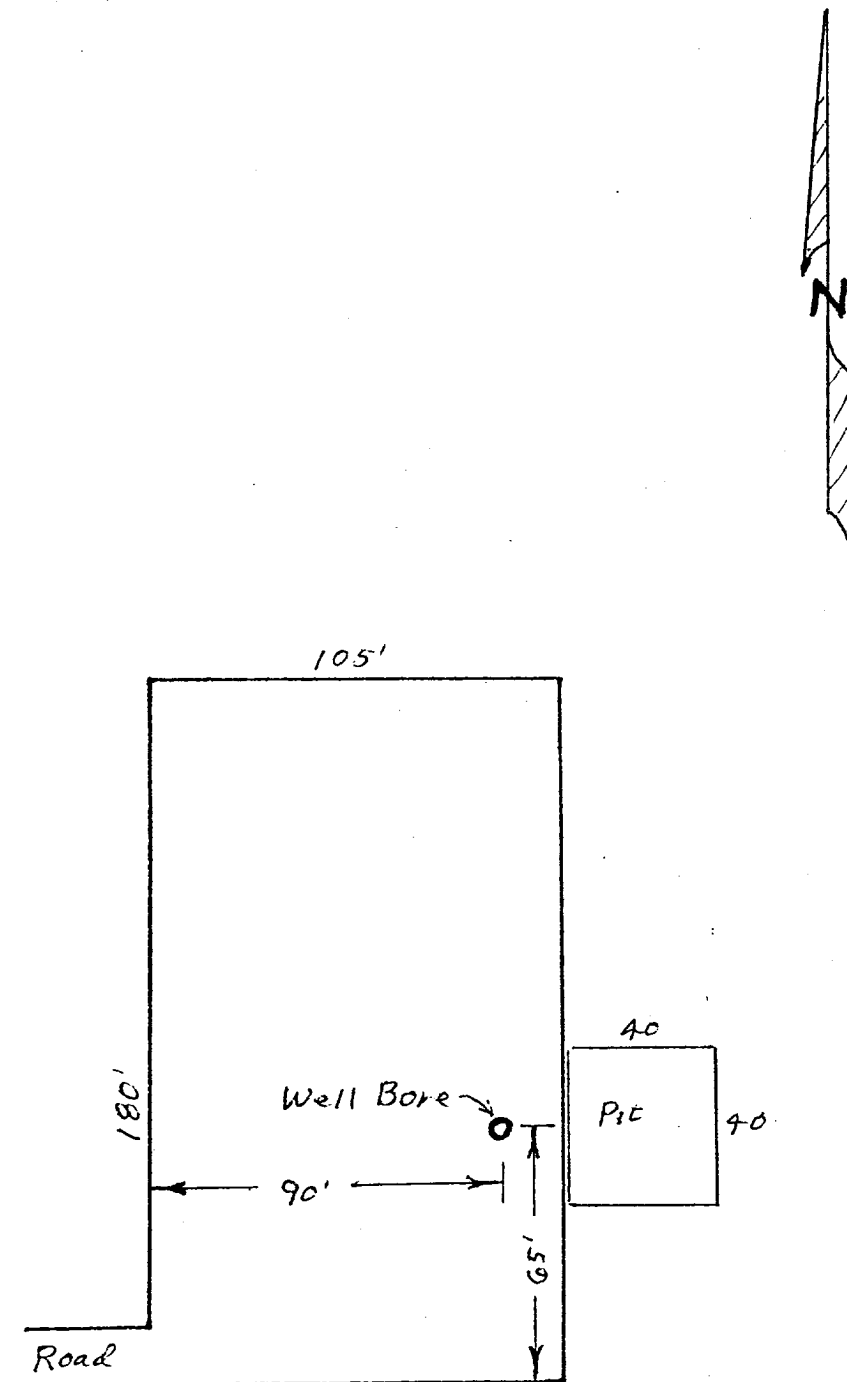


EXHIBIT "C"

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