

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Pennzoil Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1828 - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1750 FSL & 1650 FWL of Sec. 22, T-24-S, R-26-E

At proposed prod. zone

1750 FSL & 1650 FWL of Sec. 22, T-24-S, R-26-E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 mi/NE of White City, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1,650' FEL

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.None on
this

19. PROPOSED DEPTH

11,600'

20. ROTARY OR CABLE TOOLS

Rotary

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

3319.5' G.L.

22. APPROX. DATE WORK WILL START*

7-1-73

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	375'	Circulate
12 1/4"	9 5/8"	40#	5,400'	1,000 sx (Est. top 3,000')
7 7/8"	4 1/2"	11.6# & 13.5#	11,600'	1,000 sx (Est. top 8,500')

Blowout equipment will be installed on each string of casing below the surface. 3,000# W.P. preventers will be installed on the intermediate hole and 5,000# W.P. w/Hydril & rotating head on the rest of the hole. Choke manifolds and a mud-gas separator will also be installed.

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D. C. C.
ARTESIA, OFFICERECEIVED
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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

(This space for Federal or State office use)

TITLE

Petroleum Engineer

DATE

5-18-73

PERMIT NO.

APPROVAL DATE

MAY 30 1973

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DISTRICT ENGINEER

DATE

MAY 30 1973

NEW MEXICO OIL CONSERVATION COMMISSION
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

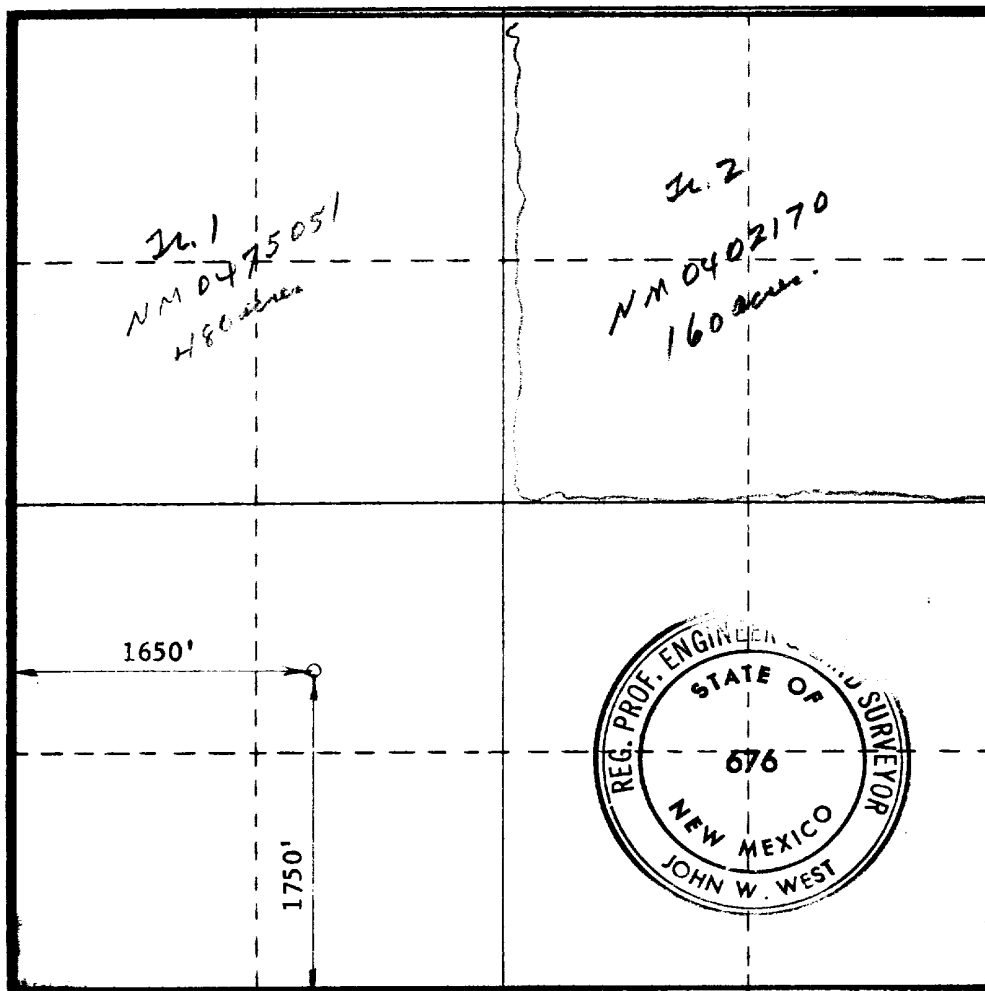
Operator PENNZOIL COMPANY		Lease "B" ALLIED FEDERAL		Well No. 1
Unit Letter K	Section 22	Township 24 SOUTH	Range 26 EAST	County EDDY
Actual Footage Location of Well: 1750 feet from the SOUTH line and 1650 feet from the WEST line				
Ground Level Elev. 3319.5	Producing Formation Morrow	Pool White City Penn	Dedicated Acreage: 640 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). See attached list.
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 Communitization Agreement being prepared

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.



CERTIFICATION

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

Name
J. C. Raney

Position
Petroleum Engineer

Company
Pennzoil Company

Date
May 18, 1973

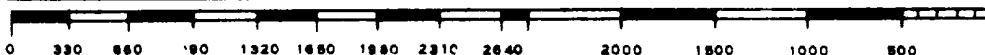
I hereby certify that the well location shown on this plat was obtained from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
MAY 15, 1973

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **676**



MADE A PART OF NEW MEXICO FORM C-102

Operator of Communitized Area: Pennzoil Company

DESCRIPTION OF LEASES COMMITTED

Tract No. 1

Lessor:	United States of America
Lessee of Record:	Allied Chemical Corporation
Serial No. of Lease:	NM-0475051
Date of Lease:	December 1, 1963
Description of Lands Committed:	NW/4 and S/2 Section 22, T-24-S, R-26-E Eddy County, New Mexico
Number of Acres:	480
Working Interest and Percentage:	Allied Chemical Corporation - - - - 1/2 Pennzoil Company - - - - - 39/128 Wainoco, Inc. - - - - - 9/128 Tom Brown Drilling Company, Inc. - 16/128 Mary F. Balsam and husband Robert C. Balsam - - - - - 3 % J. Mack Barnes and Joseph W. Marshall, in equal shares - - - - - 2.25 %
O.R.R.I. and Percentage:	

Tract No. 2

Lessor:	United States of America
Lessee of Record:	Allied Chemical Corporation
Serial No. of Lease:	NM-0402170
Date of Lease:	July 1, 1963
Description of Lands Committed:	NE/4 Section 22, T-24-S, R-26-E Eddy County, New Mexico
Number of Acres:	160
Working Interest and Percentage:	Allied Chemical Corporation - - - - 1/2 Pennzoil Company - - - - - 39/128 Wainoco, Inc. - - - - - 9/128 Tom Brown Drilling Company, Inc. - 16/128 Flora Hook and husband Irving S. Hook - - - - - 1/2 % Don R. Link and wife Alberta Link - - - - - 4.5 % J. Mack Barnes and Joseph W. Marshall, in equal shares - - - - - 1.25 %
O.R.R.I. and Percentage:	

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ARTESIA, NEW MEXICO

PENNZOIL COMPANY
ALLIED -B- NO. 1
EDDY COUNTY, NEW MEXICO

PROPOSED DRILLING MUD PROGRAM

Spud mud will be gel flocculated with lime. Paper should be added to control seepage. Brine water should be used below the surface with paper or fiber to control any loss. Circulate the reserve during this section. At 5100', mud up with flosal/drispac for a 34-36 viscosity and 15 cc water loss. If needed, oil may be added prior to running logs and casing. Drill out below intermediate with fresh water. By 9,000', the hole must be mudded up with a low-solids Polymer system. The weight should be 11.5# - 11.8#, viscosity 38-40, and water loss below 10 cc. The exposed upper formation will not hole much more weight than the 11.8#, so care must be exercised on weight control.

J. C. Raney
Petroleum Engineer
May 23, 1973

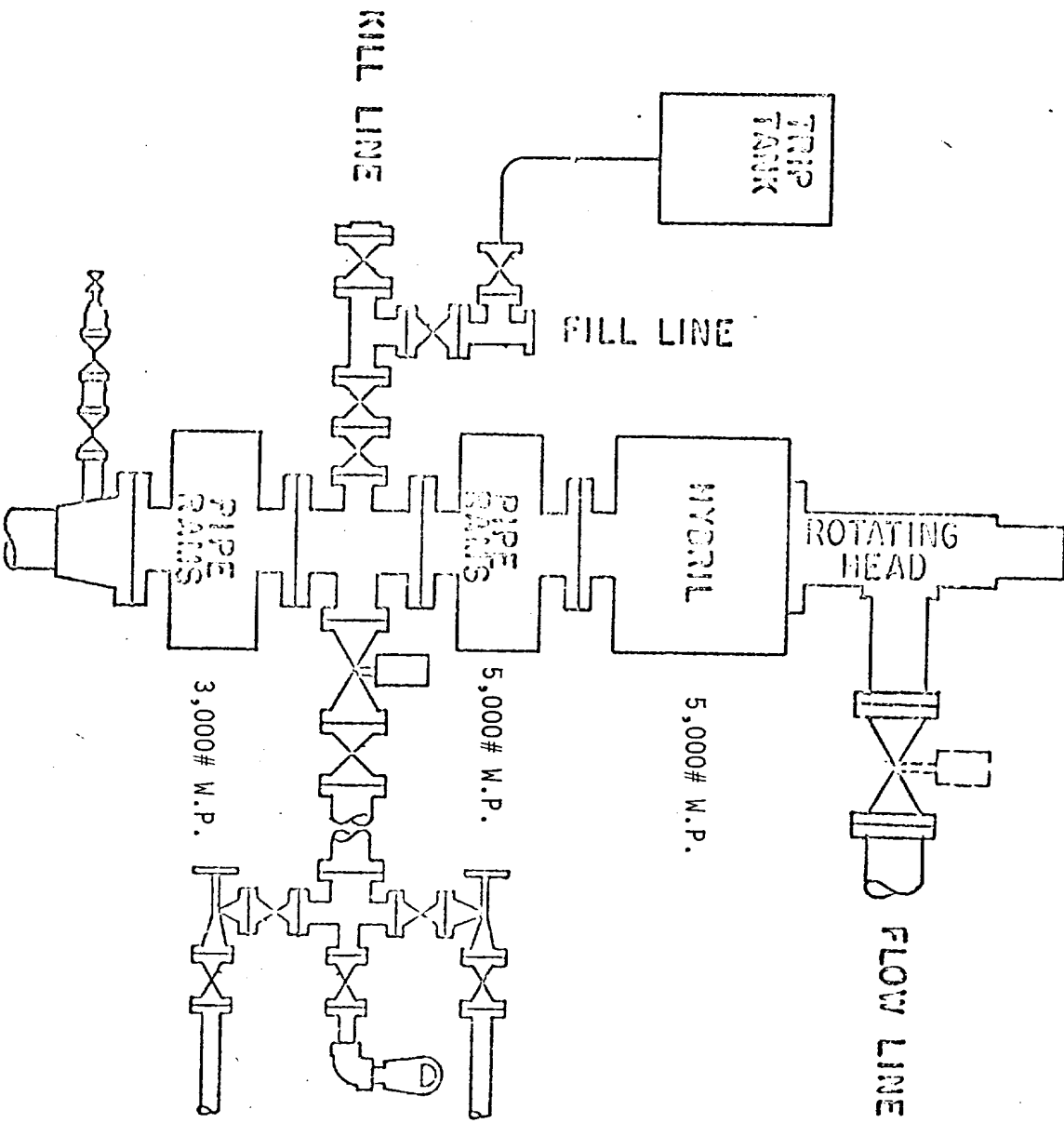
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**U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO**

BLOWOUT PREVENTER PROGRAM

MORROW WELLS
EDDY COUNTY, NEW MEXICO



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PENNZOIL COMPANY
ALLIED -B- NO. 1
1750' FSL & 1650' FEL
SEC. 22, T-24-S, R-26-E
EDDY COUNTY, NEW MEXICO

PENNZOIL COMPANY

WESTERN DIVISION OFFICE • WALL TOWERS WEST - MIDLAND, TEXAS, • PHONE (915) 682-7316
MAILING ADDRESS: P. O. DRAWER 1828 MIDLAND, TEXAS 79701

May 18, 1973

U. S. Department of the Interior
Geological Survey
P. O. Drawer -U-
Artesia, New Mexico 88210

Attention: Mr. Jim Knauf

Re: Development plan for surface use
Pennzoil Company
Allied Federal No. ~~2~~ 1
1750' FSL & 1650' FWL
Section 22, T-24-S, R-26-E
White City Penn (Morrow) Pool
Eddy County, New Mexico

Gentlemen:


Pennzoil Company respectfully requests approval to drill a development Morrow well in the White City Penn (Morrow) Pool at the subject location. In compliance with the instructions received from your office, the attached map and following data is submitted for your approval.

Instruction No:

6. Water will be purchased from an outside source.
7. Disposal of waste will be in lined surface pits and covered or hauled to a commercial disposal system.
8. No camps planned.
9. No airstrips planned.
10. See inset on attached map.
11. All pits will be fenced and back filled after sufficient drying time. Location will be cleared of all debris. Drilling pad will be maintained for production work on well.
12. Pennzoil will cooperate fully with all parties during the drilling, producing, and plugging operations of this well.

All other instruction fulfillments are on the attached map. This letter and map are made part of Pennzoil's application for a permit to drill.

Yours very truly,

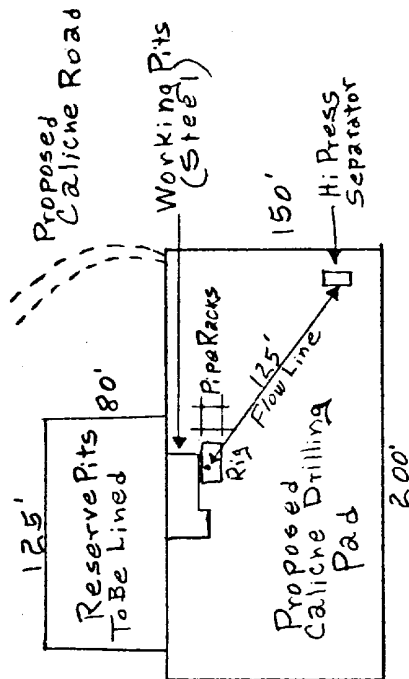
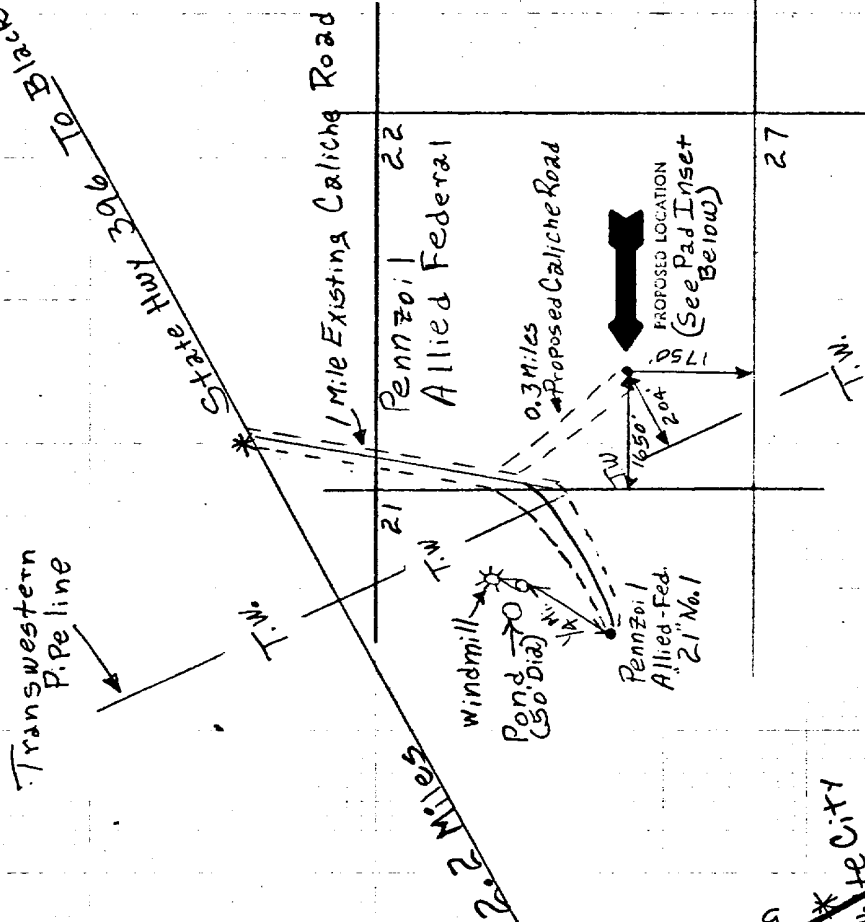

J. C. Raney
Petroleum Engineer

Carlsbad

U.S. 180 & 2940815 N

Transwestern P. Pipeline

North



Pennzoil Company
Allied Federal No. 1
1750' FSL + 1650' FWL
Sec 22 T-24-S, R-26-E
Eddy County, New Mexico
5-18-73 J.C. Raney

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DALLAS, TEXAS