

Al 3121 88210

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

c/sr
Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-26320

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
Conoco Inc.

3. ADDRESS OF OPERATOR
P.O. Box 460 - Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 400' FSL + 1800' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 miles North of Orla, Tx

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
400'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1221.60

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3116.3 GR.

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11" | 8 5/8" | 24# | ± 950 | 160.5X CIRCULATE |
| 7 7/8" | 5 1/2" | 17# | ± 4060 | 400.5X CIRCULATE |

5. LEASE DESIGNATION AND SERIAL NO.
LC-068282A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Russell 35 Federal

9. WELL NO.
#6

10. FIELD AND POOL, OR WILDCAT
North Mason Delaware

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 35, T-26S, R-31E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

RECEIVED

MAR 27 1990

ARRESIA, OFFICE

26.2 and
It is proposed to drill a straight hole to 4100' and complete as a North Mason Delaware oil well. Attached is a location plat, a proposed well plan outline and a surface use plan. We are applying to the NMOCED for approval of this non-standard proration unit and will send you a copy of their approval when it is obtained. An archeological survey is forthcoming.

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 HA Ingram TITLE Conservation Coordinator DATE 2/22/90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Orig. Signed by Richard L. M...

APPROVED BY _____ AREA MANAGER _____ DATE 3-26-90

CONDITIONS OF APPROVAL, IF ANY: _____ TITLE CARLEAD RESOURCE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-85

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

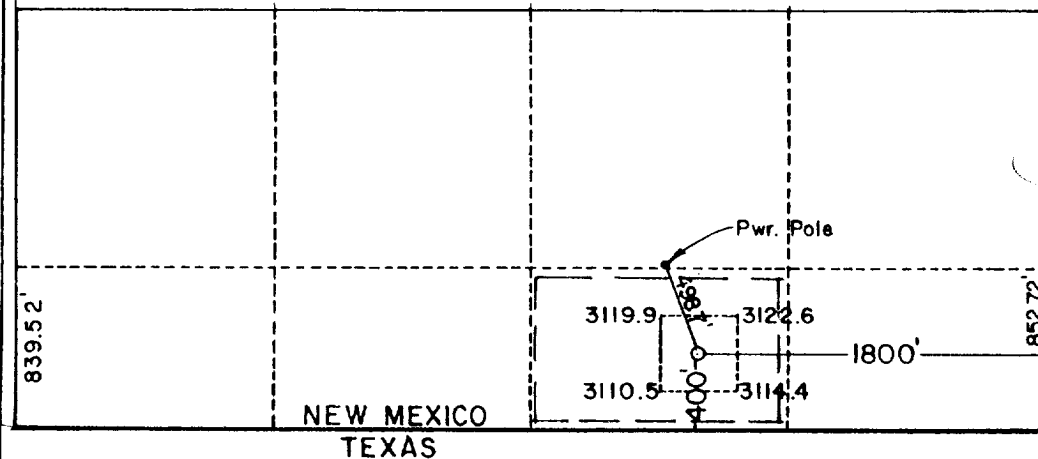
| | | | | | |
|---|--|-----------------------------|-------------------------------------|-----------------------|---|
| Operator CONOCO INC. | | | Lease RUSSELL FEDERAL 35 | | Well No. 6 |
| Unit Letter G | Section 35 | Township 26 South | Range 31 East | County Eddy | |
| Actual Footage Location of Well: 1800 feet from the East line and 400 feet from the South line | | | | | |
| Ground Level Elev. 3116.3 | Producing Formation Delaware | | Pool North Mason Delaware | | Dedicated Acreage: 26.2 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.



CERTIFICATION

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

[Signature]
Name _____

Position
Conservation Coordinator

Company
Conoco Inc.

Date
February 22, 1990

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.

Date Surveyed
February 14, 1990

Registered Professional Engineer and/or Land Surveyor

[Signature]
Certificate No. **JOHN W. WEST 878**

Ronald J. Eldson 3239

PROPOSED WELL PLAN OUTLINE

WELL NAME: Russell Federal 35 No. 6 COUNTY: Eddy STATE: New Mexico

LOCATION: S-35 T-26S R-31E EST. KB: 3128'

400' FSL 1800' FEL EST. GL: 3118'

| DEPTH | FORMATION TOPS & TYPE | DRILLING PROBLEMS | TYPE OF FORMATION EVALUATION | HOLE SIZE | CASING SIZE-DEPTH | FRAC GRAD | FORM PRESS GRAD | (PPG) MUD WT & TYPE | DAYS |
|-------|---------------------------------------|-----------------------------------|--|---------------------------------|----------------------|--------------|-----------------------|------------------------------|------|
| | Red Beds | Lost Circulation | "Totco" @ 400' and 800' drop survey @ TD | 11" | | | | Spud | 1 |
| 1000 | | | | | 8-5/8"@±950' | | | | 2 |
| | | | | 7-7/8" | into Anhydrite | | | 10 PPG Brine | - |
| | Salt Anhydrite Gypsum to TD | Wellbore drift to TD (2-4°) | Drift surveys @ 250' intervals 5° maximum hole angle 1-1/2°/100' maximum change | | | | | | 3 |
| | Interlaced Salt Stringers to TD | | | | | | | | 4 |
| 2000 | | | | | | | | | - |
| | | Salt Stringers | | | | | | | 5 |
| | | | | | | | | | - |
| | | | | | | | | | 6 |
| | | | | | | | | | - |
| 3000 | | | | | | | | | 7 |
| | | | | | | | | | - |
| | Anhydrite ±3842 | | | | | | | | 8 |
| 4000 | | | | | | | | | - |
| | Lamar ±4033 | | Cased Hole GR-Neutron | | | | | | - |
| | Ramsey ±4069 | | | | | | | | - |
| | | Cable Tool | | | 5-1/2"@±4060' | | | | - |
| 4100 | | into Ramsey Sand | | C A B L E T O | Into Lamar | | | | 9,10 |

ATTACHMENT TO FORM 9-331 C
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.
Russell 35 Federal No. 6
Section 35, T-26S, R-31E
Eddy County, New Mexico

1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
3. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to the working pressure of the stack of 70% of the minimum internal yield strength of the casing whichever is less. BOPD will be checked when casing string is set.
4. The proposed casing program is as follows:

| | |
|---------------------------------|-------|
| <u>0'-950', 8-5/8" 24# K-55</u> | _____ |
| <u>0'-4060, 5-1/2" 17# K-55</u> | _____ |
| _____ | _____ |
5. The proposed mud program is as follows:

| | | |
|-----------------|------------------|-------|
| <u>0'-950'</u> | <u>Spud Mud</u> | _____ |
| <u>0'-4060'</u> | <u>10# brine</u> | _____ |
| _____ | _____ | _____ |
6. Run open-hole logs from none. The log suite will include the following: 1) Gamma Ray-Neutron. A temperature survey will be run to determine the top of cement on each casing string where cement is not circulated.
7. Possible Waterflow to 300'. Deviations from 2 degrees to 3 degrees likely from 950'.

8. The anticipated starting date is 4-1-90 with a duration of approximately 17 days including cable tool.

SURFACE USE PLAN
Conoco Inc.
Russell 35 Federal No. 6
Section 35, T-26S, R-31E
Eddy County, New Mexico

The following is the required information concerning the possible effect which the proposed drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items of this plan.

1. Existing Roads

- A. The proposed well site is 400' FSL & 1800' FEL of Section 35, T-26S, R-31E, Eddy County, New Mexico
- B. Exhibit "A" is a portion of a New Mexico road map showing existing roads. Directions to the location are as follows:
From Jal, N.M., go west on St. Rd. #128 to mile marker #23, turn south on Lea County Rd. C1 (Orla Hwy). Go 15 miles on black top, turn west (Conoco sign) go 2 miles on lease rd., turn south 1/4 mile to location.
See Exhibit "B".
- C. Access roads are shown on Exhibit "B".
- D. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. No new access roads will be required.

- B. No turnouts are required.
- C. No culverts, or fills will be required.
- D. No gates, cattle guards, or fences will be required.

3. Location of Existing Wells

See Exhibit "B"

4. Location of Existing and/or Proposed Facilities if Well is Productive

Existing production facilities are shown on Exhibit "B". _____

5. Water Supply Water will be trucked in.

6. Source of Construction Materials

Caliche from pit located in SE/4 of NE/4, Sec. 35, T-26-S, R-31-E.
See Exhibit "B".

7. Methods of Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "C" for locations of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to survey for appropriate approval.

8. Ancillary Facilities

None.

9. Wellsite Layout

See Exhibit "C". The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Surface Ownership

Federal

12. Other Information

Arch. survey will be performed by Pecos Archaeological Services.

13. Operator's Representative and Certification

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Frank E. Patton
726 E. Michigan
Hobbs, New Mexico 88240
(505) 397-5890

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Conoco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/22/90

Date

Frank Patton

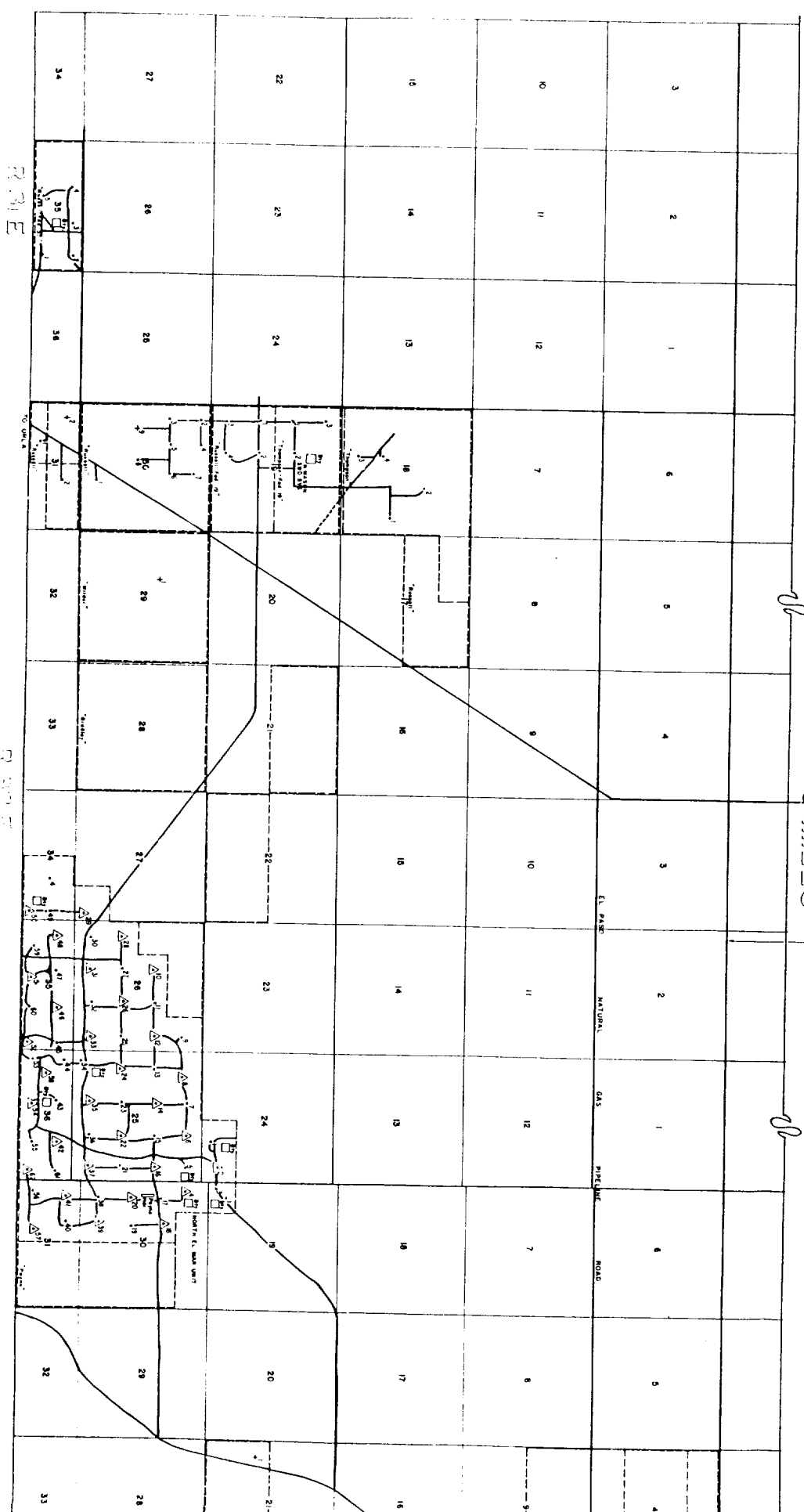
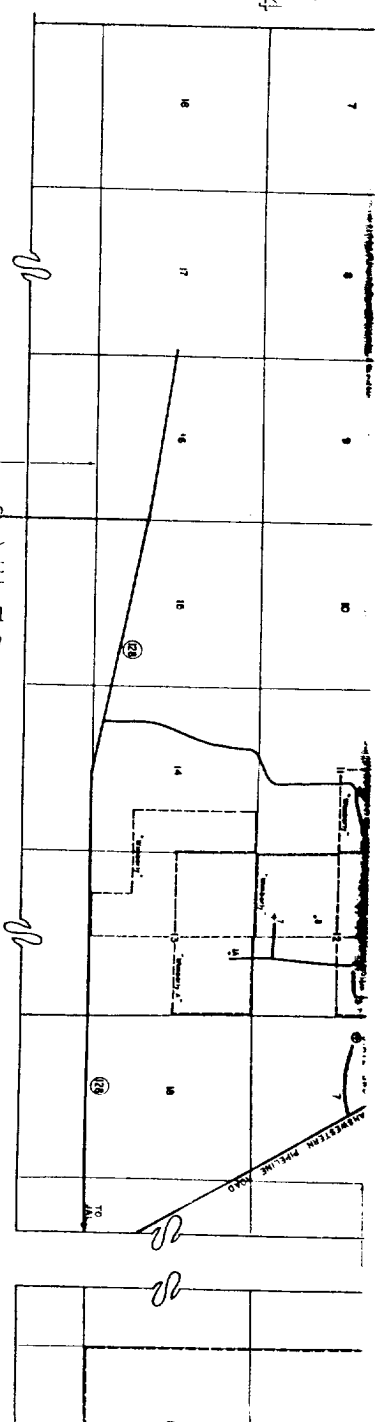
Frank E. Patton
Production Superintendent

KLL:tm

APDFRM.DOC

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

T
24
S

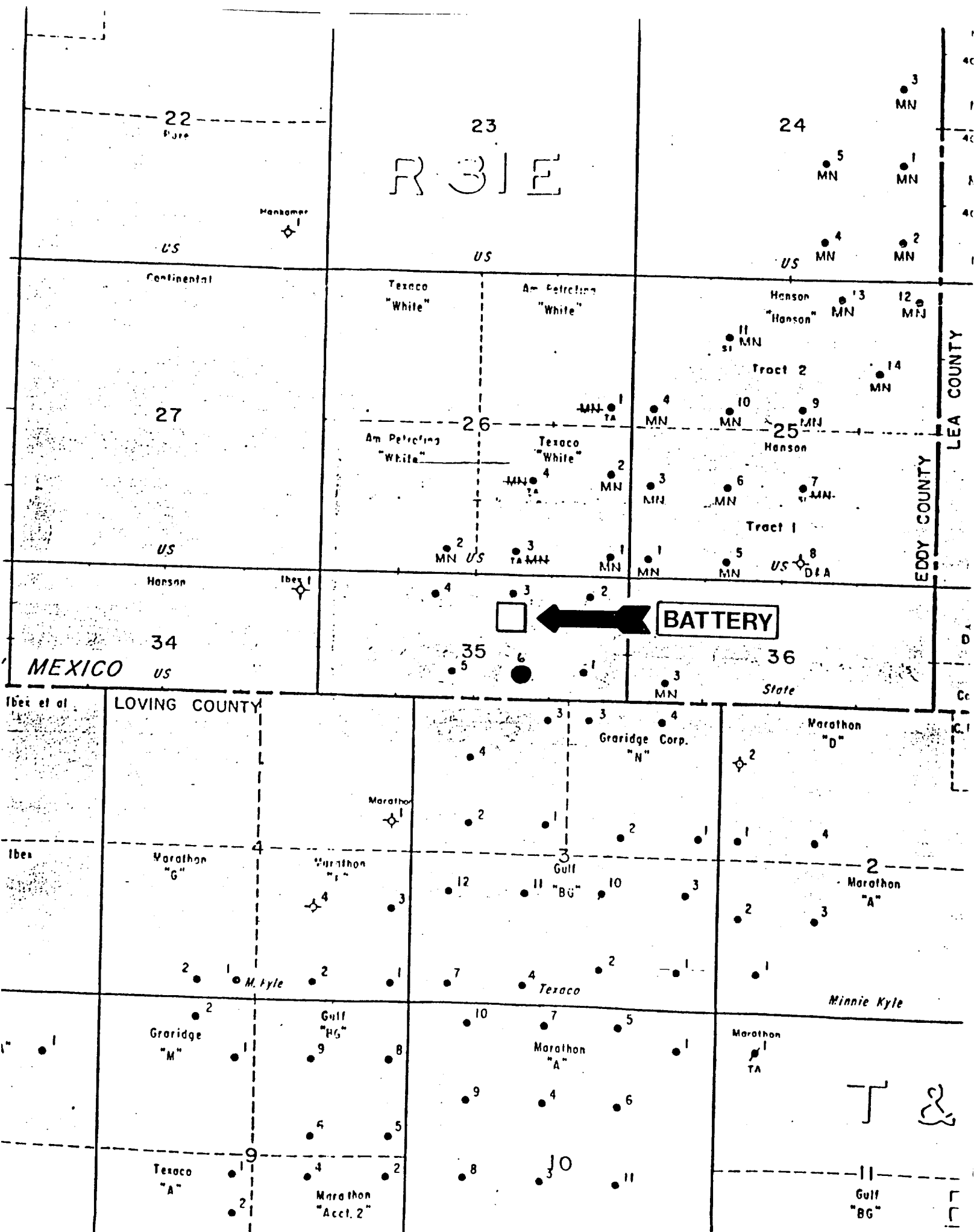


17
28
S

23
E

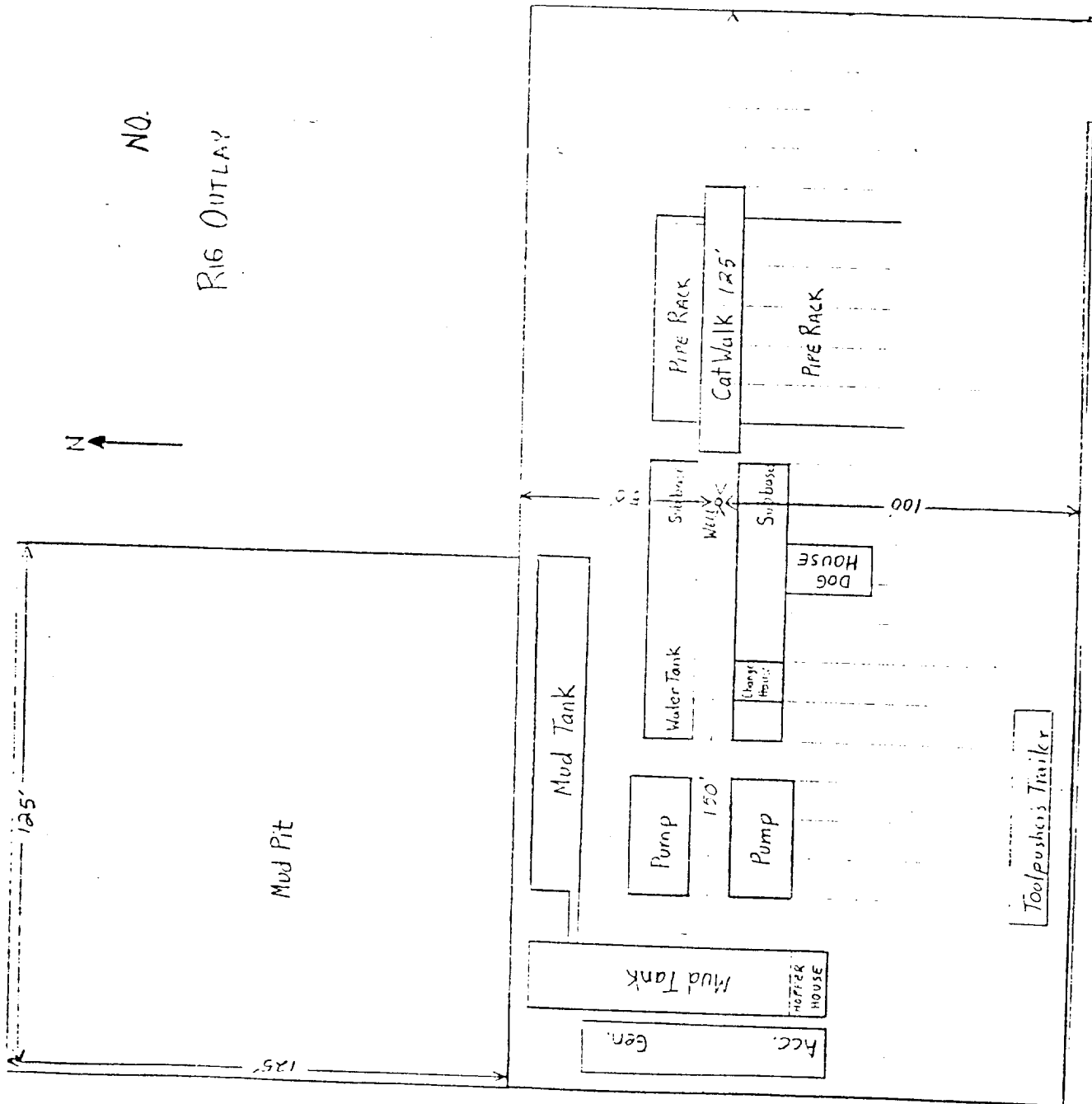
23
E

Exhibit A



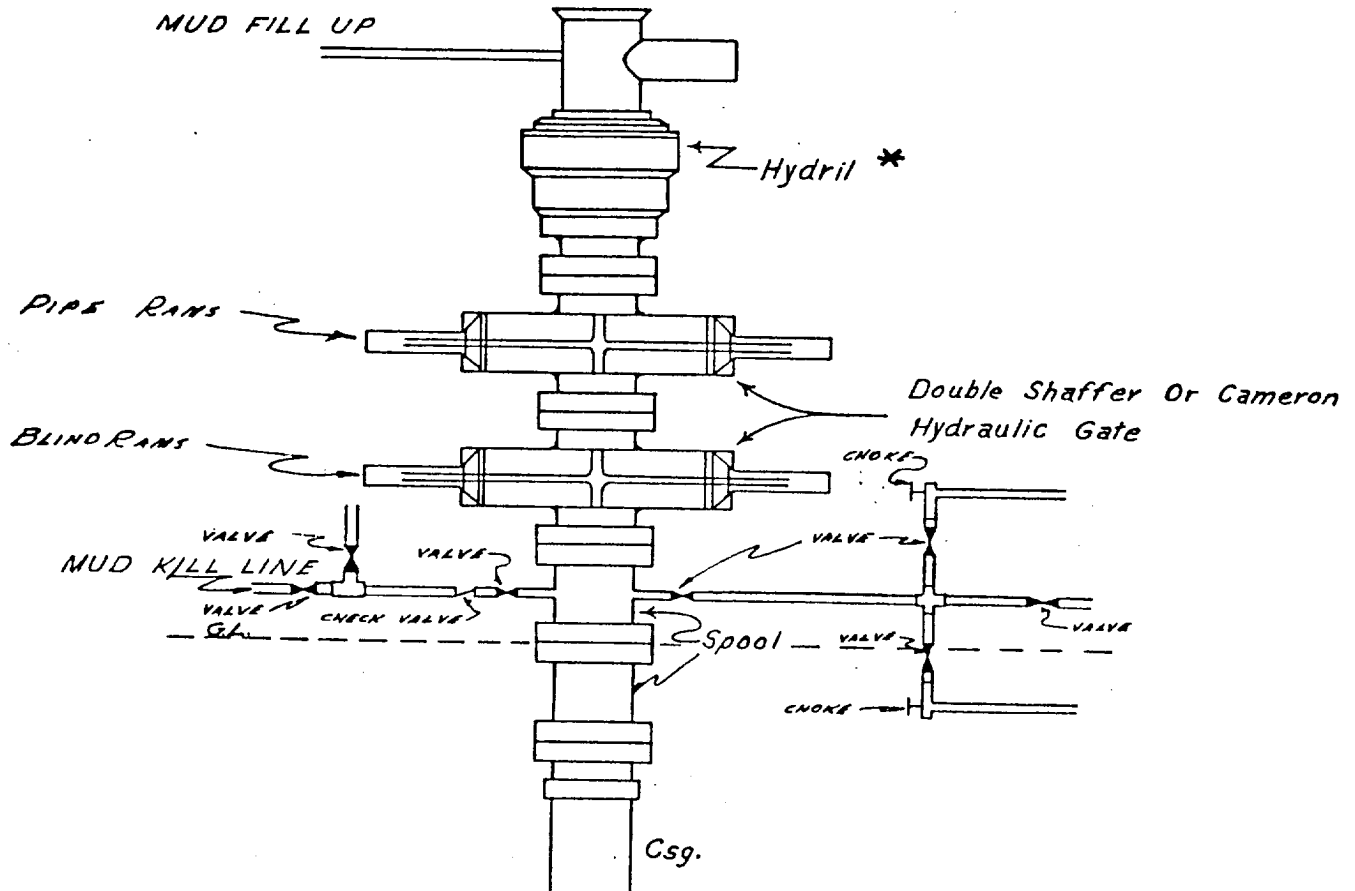
NO.

RIG OUTLAY



CONOCO INC.

Blow-out Preventer Specifications



NOTE:

Manual and Hydraulic controls with closing unit no less than 75' from well head.
Remote controls on rig floor.

*

DUE TO SUBSTRUCTURE CLEARANCE, HYDRIL
MAY OR MAY NOT BE USED.