

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS AND TELEPHONE NO.

5525 Highway 64, NBU 3004, Farmington, NM 87401

505-599-3454

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

At surface

Unit I, 2040' FSL & 340' FEL

At proposed prod. zone

Same as above

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

26 miles from Blanco, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

340'

16. NO. OF ACRES IN LEASE

2560 acres

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320 acres

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

19. PROPOSED DEPTH

7957'

20. ROTARY OR CABLE TOOLS

Rotary

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

6455' unprepared groundlevel

This action is subject to technical and
procedural review pursuant to 48 CFR 3165.3
and appeal pursuant to 48 CFR 3165.4.

22. APPROX. DATE WORK WILL START*

2nd Qtr 2000

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------------|-----------------|---------------|--|
| 12-1/4" | 9-5/8" | 36#, J/K-55 | 320' * | 158.5sx Type III (1.41 yield=223 cf) |
| 8-3/4" | 7" | 20#, J/K-55 | 3762' | L-344.4sx Type III(2.9 yield=999 cf) |
| 6-1/4" | 4-1/2" | 11.6#, I-80 | 7957' * | T-100 sx Type III(1.41 yield=141 cf) 244.4 sx C1 H (2.13 yield=521 cf) ** |

* The surface casing will be set at a minimum of 320', but could be set deeper if required to maintain hole stability.

* Cement 100' tie into 7"

** The cement for the 4-1/2" casing is designed to cover the openhole section to 100' above the Cliffhouse Sandstone. Circulation/squeeze cementing will be conducted to isolate the Lewis Shale interval prior to its completion (see attached Drilling Prognosis for more details on this and mud program).

See attached for details on the BOP equipment and Cathodic Protection.

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

The pipeline for this well qualifies for APD/ROW process. See attached WFS plat and details in the Surface Use Plan.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

TITLE Sr. Regulatory/Proration Clerk

DATE 2/11/00

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

/s/ Charlie Beecham

Team Lead, Petroleum Management

APPROVED BY

TITLE

*See Instructions On Reverse Side

DATE

MAR 20 2000

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OK CF

MAR 20 2000

District I
1401 Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-------------------------------|--|-----------------------|------------------------------|
| 1. All Number 30-037-26367 | | 2. Pool Code 71599 | 3. Pool Name Basin Dakota |
| 4. Property Code: 009258 | 5. Property Name SAN JUAN 30-5 UNIT | | 6. Well Number 48M |
| 7. OGRID No. 017654 | 8. Operator Name PHILLIPS PETROLEUM COMPANY | | 9. Elevation 6455' |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| I | 20 | 30N | 5W | | 2040' | SOUTH | 340' | EAST | RIO ARriba |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I | | | | | | | | | |

| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------|--------------------|-----------------------|--------------|
| 320 E/2 | I | U | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | |
|------------|----------|-------------------------|--|
| 16 | N89°54'E | 5270.10' | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Patsy Clugston</u> Printed Name <u>Patsy Clugston</u> Title <u>Sr. Regulatory/Proration</u> Date <u>February 11, 2000</u> |
| | 5280.00' | | |
| Section 20 | | SF-078740 2560 acres | |
| N00°01'E | | 340' | |
| | N89°55'E | 5266.80' | |

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | |
|------------------------------|---|----------------------|---------------------------------|----------------------|
| * API Number 30-039-26367 | | * Pool Code 72319 | * Pool Name Blanco Mesaverde | |
| * Property Code 009258 | * Property Name SAN JUAN 30-5 UNIT | | | * Well Number 48M |
| * OGRID No. 017654 | * Operator Name PHILLIPS PETROLEUM COMPANY | | | * Elevation 6455' |

¹⁰ Surface Location

| | | | | | | | | | |
|----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| UI. or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| I | 20 | 30N | 5W | | 2040' | SOUTH | 340' | EAST | RIO ARriba |

¹¹ Bottom Hole Location If Different From Surface

[illegible]

| | | | |
|--|------------------------------------|---------------------------------------|-------------------------|
| ¹² Dedicated Acres 320 E/2 | ¹³ Joint or Infill I | ¹⁴ Consolidation Code U | ¹⁵ Order No. |
|--|------------------------------------|---------------------------------------|-------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | |
|----------|---|----------|--|
| 16 | N89°54'E | 5270.10' | |
| 5280.00" | <div style="position: relative; height: 150px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; border-radius: 50%; text-align: center; font-size: 0.8em;"> MAR 2000 RECEIVED OIL CON. DIV DIST. 3 </div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-weight: bold;">Section 20</div> </div> | | |
| N00°01'E | | | |
| | N89°55'E | 5266.80' | |

SF-07874C
2560 acres^{340'}

17 OPERATOR CERTIFICATION

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

Patsy Clugston

Signature

Patsy Clugston

Printed Name

Sr. Regulatory/Proration

Title

February 11, 2000

Date


18 SURVEYOR CERTIFICATION

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 belief.

12/02/99

Date of Survey

Signature and Seal of Professional Surveyer:



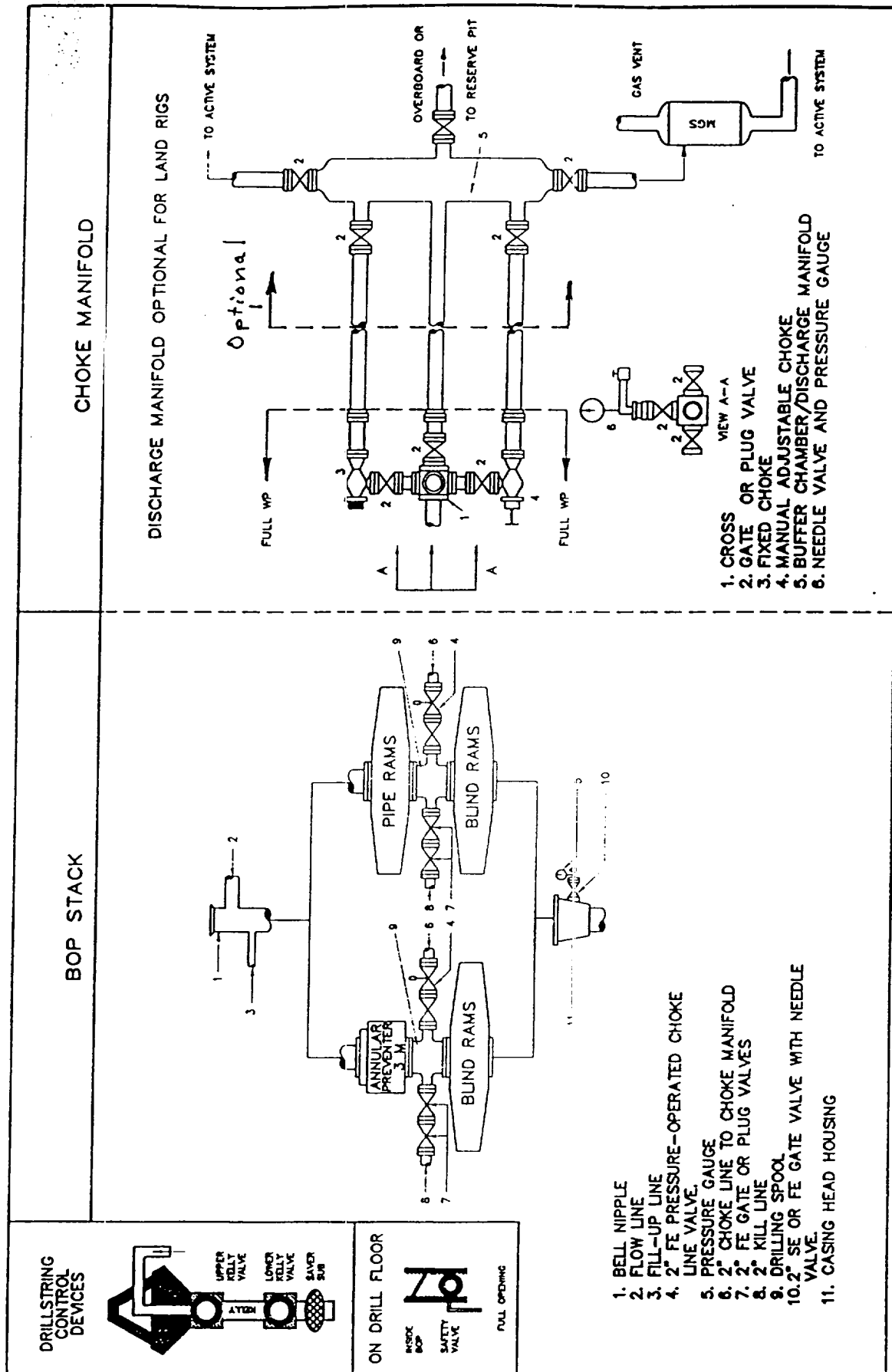


Fig. 2.4. Class 2 BOP and Choke Manifold.

PHILLIPS PETROLEUM COMPANY

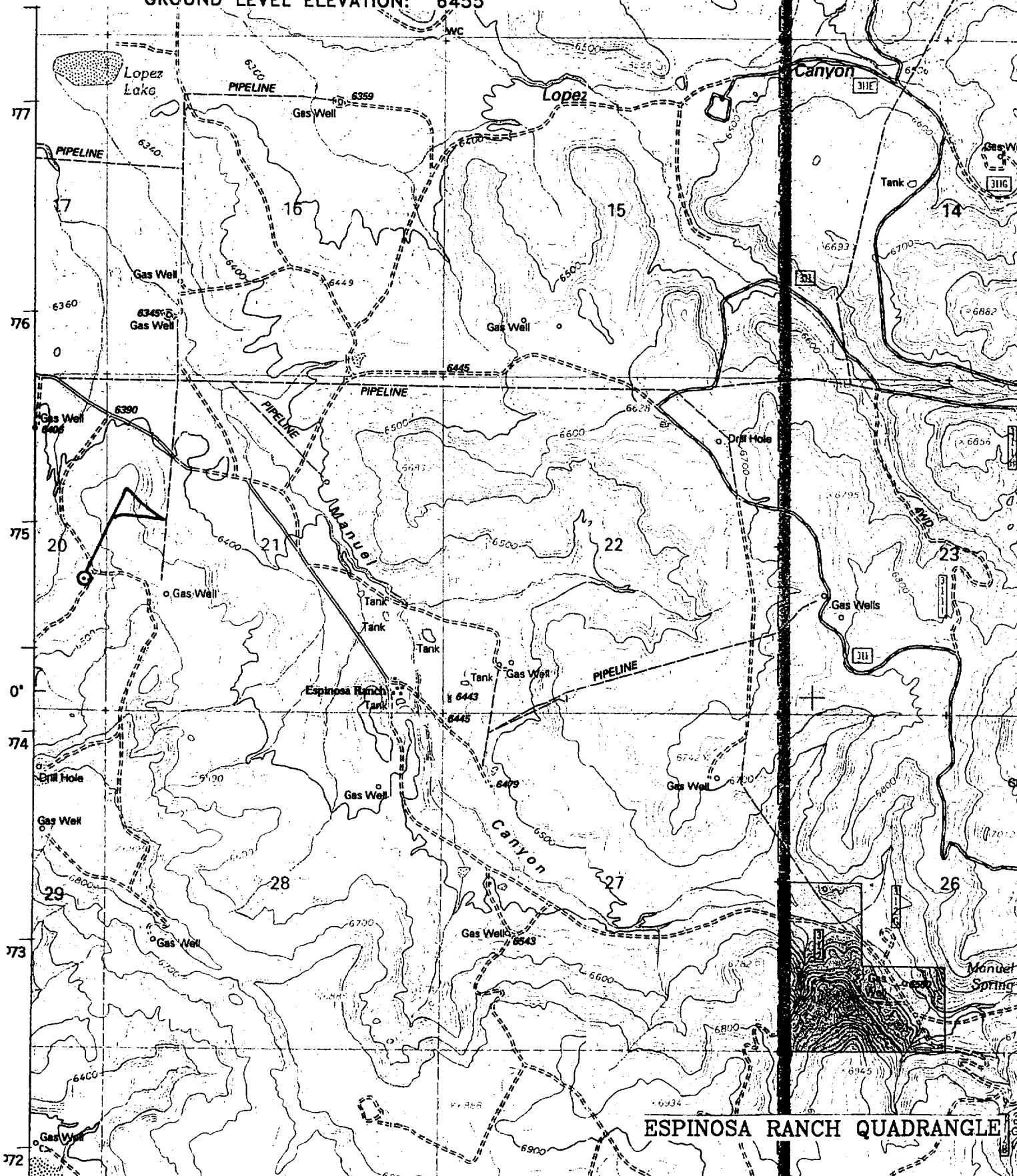
778 SAN JUAN 30-5 UNIT No. 48M

2040' FSL, 340' FEL

SE/4 SEC. 20, T-30-N, R-05-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 6455'



ESPINOSA RANCH QUADRANGLE