

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 17654

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 state requirements)

At surface

Unit E, 1670' FNL & 835' FWL

At proposed prod. zone

Same as above

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

@ 22 miles from Navajo Dam, NM

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

835'

16. NO. OF ACRES IN LEASE

1886.39 Acres

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 W/2

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

@ 1300' (#29)

19. PROPOSED DEPTH

@ 8250'

20. ROTARY OR CABLE TOOLS

Rotary

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

6680' Unprepared ground level

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

22. APPROX. DATE WORK WILL START*

2 Qtr 1997

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	@ 350'	185 sx C1 B, 1.18 cu ft/sx yld
8-3/4"	7"	20#, J/K-55	4100'	L-315 sx Poz 2.25 cf/sx yld.
6-1/4"	4-1/2"	11.6# N-80	@ 8250'	T-150 sx C1B, 1.2 cf/sx yld

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

BOP Equipment - see attached.

** Cement for the surface and intermediate casing will be circulated to the surface.
The 4-1/2" casing cement is designed to cover the open hole section (with 30% excess)
and at least 100' inside 7" casing (with 10% excess).

Cement details are attached, see the cement program in the Drilling Prognosis.

See WFS pipeline survey for pipeline ROW footages.

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 Regulatory Assistant

DATE

6-9-97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

JUL 10 1997

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:

APPROVED BY

/s/ Duane W. Spencer

TITLE

DATE

JUL - 3 1997

*See Instructions On Reverse Side

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.

District I
180 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

07 JUN 97 10:57 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25706	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 009258	⁵ Property Name San Juan 30-5 Unit	⁶ Well Number 109A
⁷ OGRID No. 017654	⁸ Operator Name Phillips Petroleum Company	⁹ Elevation 6680'

¹⁰ Surface Location

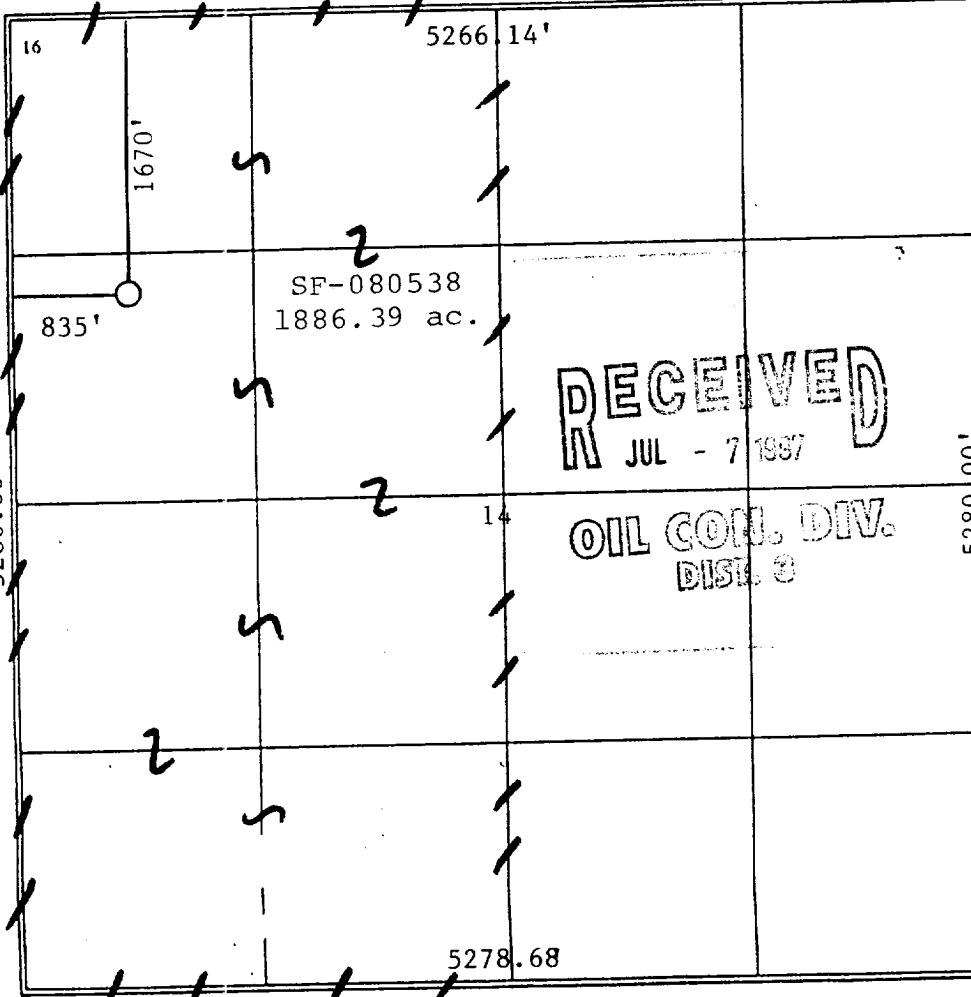
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	30N	5W		1670'	North	835'	West	Rio Arriba

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

¹² Dedicated Acres 320 W/2	¹³ Joint or Infill Y	¹⁴ Consolidation Code U	¹⁵ Order No.
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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

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Richard A. Allred</i> Signature Richard A. Allred Printed Name Drilling & Production Supv. Title 6-9-97 Date</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>05/21/97 Date of Survey Signature and Seal of Professional Surveyer: <i>Henry P. Broadhurst</i> Certificate Number</p>

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27 JUL 12 PM 3:57 ☐ AMENDED REPORT

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⁴ Property Code 009258	⁵ Property Name San Juan 30-5 Unit	⁶ Well Number 109A
⁷ OGRID No. 017654	⁸ Operator Name Phillips Petroleum Company	⁹ Elevation 6680'

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<p>5266' 14'</p> <p>1670'</p> <p>835'</p> <p>SF-080538 1886.39 ac.</p> <p>5280.00'</p> <p>5278.68'</p> <p>RECEIVED JUL - 7 1997 OIL CON. DIV. DIST. 3</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Richard A. Allred</i> Signature Richard A. Allred Printed Name Drilling & Prod. Superv. Title 6-9-97 Date</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>05/21/97 Date of Survey Signature and Seal of Professional Surveyor: <i>Henry P. Broadhurst</i> Certificate Number</p>
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PHILLIPS PETROLEUM CO.

SAN JUAN 30-5 #109A
NW/4 SEC. 14, T. 30 N., R. 5 W., N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO

Canyon



S.J. 30-5#109A

Gas Well

Mannel
Spring

ESPINOSA RANCH QUAD.

Chicken

Manus