

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. ARCH PETROLEUM, INC. 10 DESTA DRIVE, STE. 420E MIDLAND TX 79705		OGRID Number 000962
Property Code 14915	Property Name LILLIE	API Number 30-025-33550
		Well No. 5

7 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North / South line	Feet from the	East / West line	County
F	23	24S	37E		2100'	NORTH	1800'	WEST	Lea

8 Proposed 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
Proposed Pool 1 FOWLER ABO					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable / Rotary R	Lease Type Code P	Ground Level Elevation
Multiple NO	Proposed Depth 6,500'	Formations ABO	Contractor UNKNOWN	Spud Date 9/1/96

Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight / foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8-5/8"	24#	1075'	600 sx.Cl.'C'	SURFACE
7-7/8"	5-1/2"	15.5#	6,500'	1650 sx.Cl.'C'	1075'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

MUD PROGRAM;
O-1075' FW/Spud Mud 8.8-9.0 #/gal., 32 visc., 10 pH
1075'-6,800' BW 10#/gal., 28 visc., 10 pH
6800'-6800 BW/Starch 10#/gal., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system.

Permit Expires 1 Year From Approval
Date Entered: 8/20/96

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Bobbie Brooks</i>	Print name: Bobbie Brooks	Approved by: <i>Jerry Sexton</i>	Title: DISTRICT I SUPERVISOR
Title: Production Analyst	Date: 8/20/96	Approval Date: Aug 20 1996	Expiration Date:
Phone: 685-1961	Conditions of Approval: Attached ☐		

- Measurements and dimensions are to be in feet / inches. Well locations will refer to the New Mexico Principal Meridian.
18. Geologic formation at TD.
19. Name of the intended drilling company if known.
20. Anticipated spud date.
21. Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
22. Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
23. The signature, printed name, and title of the person authorized to make this report. The data this report was signed and the telephone number to call for questions about this report.
7. The surveyed location of this well New Mexico principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the UL or lot no. box. Otherwise use the OCD Unit letter.
8. The proposed bottom hole location of this well at TD.
- 9 and 10. The proposed pool(s) to which this well is being drilled.
11. Work type code from the following table:
- | | |
|---|--------------|
| N | New Well |
| E | Re-entry |
| D | Drill deeper |
| P | Plugback |
| A | Add a zone |
12. Well type code from the following table:
- | | |
|---|-----------------------|
| O | Single oil completion |
| G | Single gas completion |
| M | multiple completion |
| I | Injection well |
| S | SWD well |
| W | Water supply well |
| C | Carbon dioxide well |
13. Cable or rotary code
- | | |
|---|--------------------------|
| C | Propose cable tool drill |
| R | Propose to rotary drill |
14. Lease type code from the following table:
- | | |
|---|--------------------|
| F | Federal |
| S | State |
| P | Private |
| N | Navajo |
| J | Jicarilla |
| U | Ute |
| I | Other Indian tribe |
15. Ground level elevation above sea level.
16. Intend to multiple complete? Yes or No.
17. Proposed total depth of this well.
- IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.
1. Operator OGRID number. If you do not have one it will be assigned and filed in by the District office.
2. Operator's name and address.
3. API number of this well. If this is a new drill the OCD will assign the number and fill it in.
4. Property code. If this is a new property the OCD will assign the number and fill it in.
5. Property name that used to be called 'well name'.
6. The number of this well on the property.

DISTRICT I
P.O. Box 1000, Hobbs, NM 88041-1000

DISTRICT II
P.O. Drawer 100, Artesia, NM 88211-0710

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
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P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33550	Pool Code 96455	Pool Name Fowler Abd
Property Code 14915	Property Name LILLIE	Well Number 5
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3200

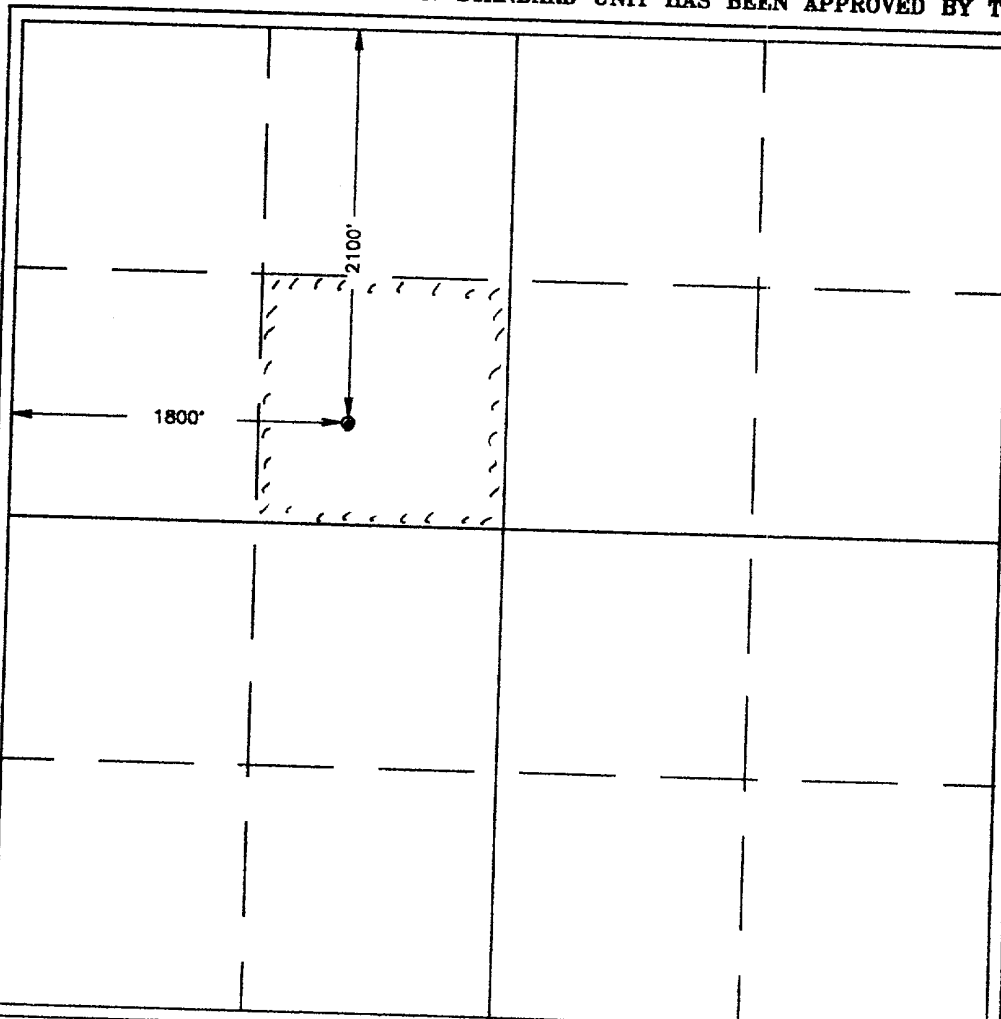
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	24 S	37 E		2100	NORTH	1800	WEST	LEA

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
Dedicated Acres 40	Joint or Infill J	Consolidation Code	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



OPERATOR CERTIFICATION

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

Bobbie Brooks
Signature
BOBBIE BROOKS
Printed Name
PRODUCTION ANALYST
Title
8/20/96
Date

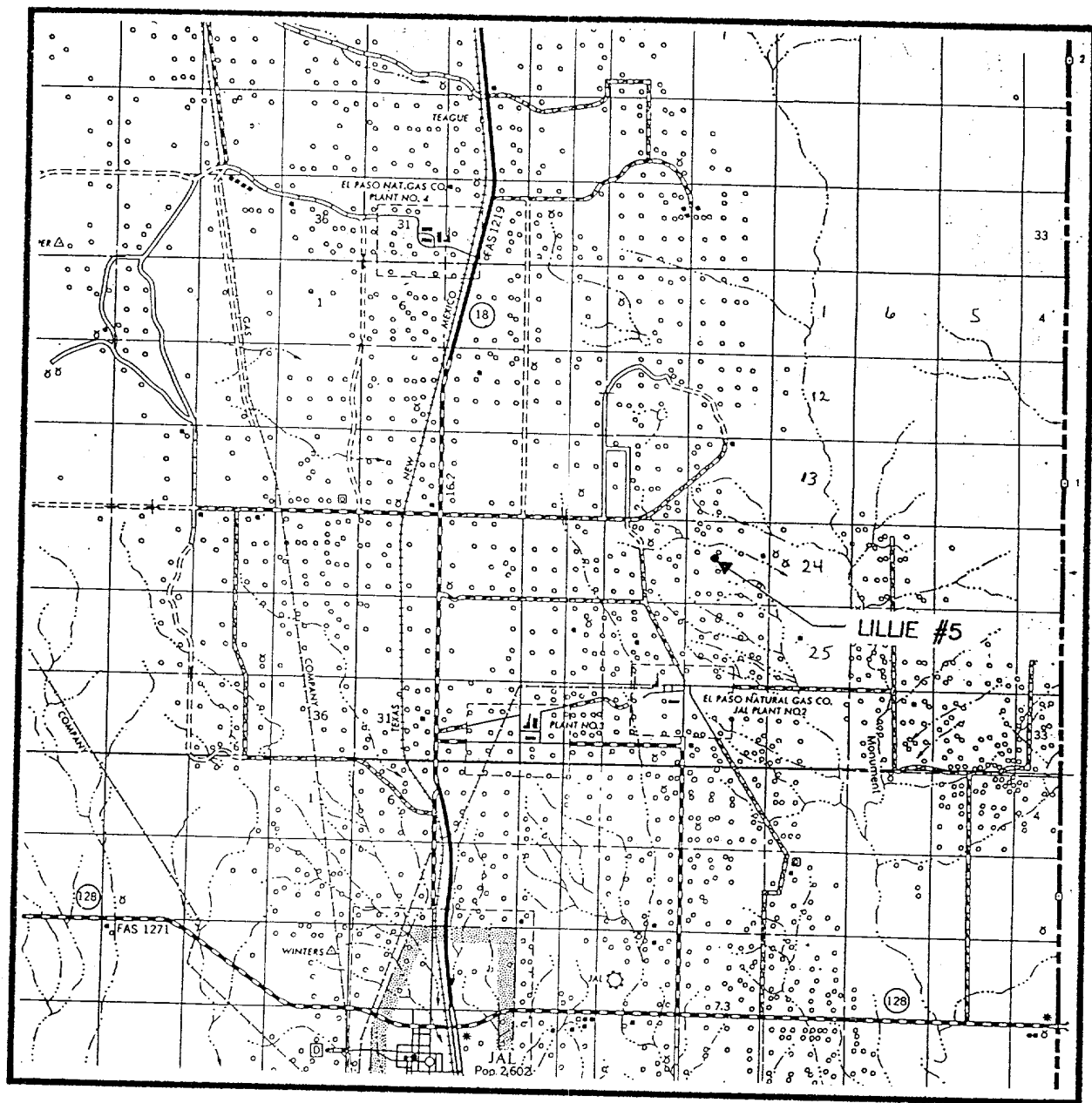
SURVEYOR CERTIFICATION

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.

AUGUST 14, 1996

Date Surveyed
Signature & Seal of
Professional Surveyor
RES
Ronald J. Eidson
W.O. Num. 96-11-1005
Certificate No. JOHN W. WEST 678
RONALD J. EIDSON 3239
GARY EIDSON 12641

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 23 TWP. 24-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2100' FNL & 1800' FWL

ELEVATION 3200'

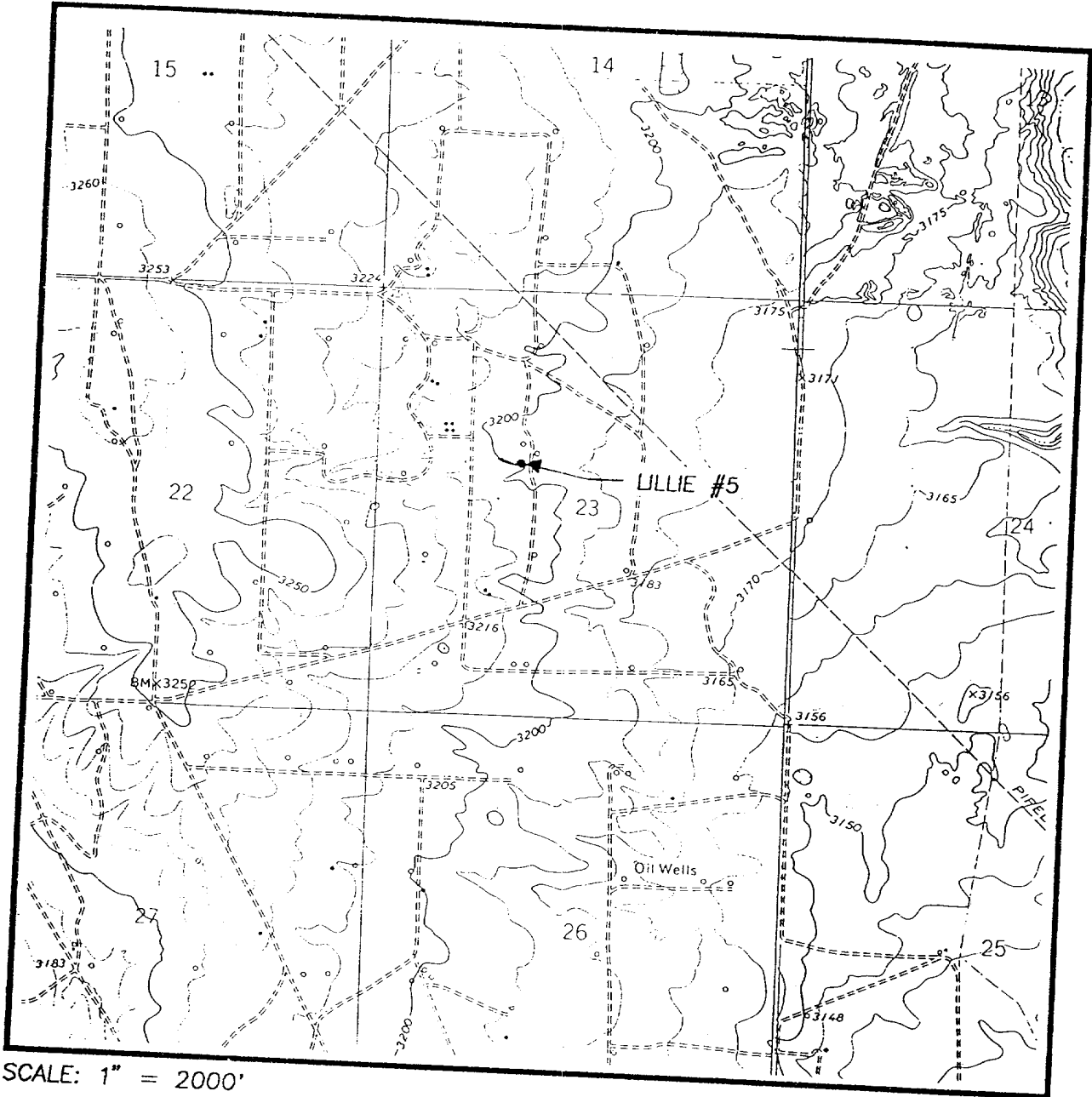
OPERATOR ARCH PETROLEUM, INC.

LEASE LILLIE

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO

(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
JAL, NW - 10'
JAL, NE - 5'

SEC. 23 TWP. 24-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2100' FNL & 1800' FWL

ELEVATION 3200'

OPERATOR ARCH PETROLEUM, INC.

LEASE LILLIE

U.S.G.S. TOPOGRAPHIC MAP

JAL, N.M., N.W. & N.E.

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

EXHIBIT 1

BOP SCHEMATIC

3M (3,000 psi) Working Pressure

