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AUG 09 1985

O. C. D.

5A. Indicate Type of Lease

STATE ☒ FEE ☐5. State Oil & Gas Lease No.  
E-8180

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Arch Petroleum Inc. ✓		8. Farm or Lease Name Thomas ✓
3. Address of Operator 777 Taylor, Suite IIA, Ft. Worth, Texas 76102		9. Well No. 2
4. Location of Well UNIT LETTER <u>A</u> LOCATED <u>330</u> FEET FROM THE <u>north</u> LINE AND <u>330</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>9</u> TWP. <u>18s</u> REC. <u>28e</u> NMPM		10. Field and Pool, or Wildcat Artesia - Qn, Gb, SA
		12. County Eddy
19. Proposed Depth 2600		19A. Formation San Andres
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, KT, etc.) 3643.5	21A. Kind & Status Plug. Bond Active Blanket	21B. Drilling Contractor WEK Co.
		22. Approx. Date Work will start Upon Approval

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	350'	350 sx	Surface
7 7/8"	4 1/2"	10.5#	2600'	650 sx	Surface

Drill to TD, log, run casing, perforate, Stimulate, and complete.  
BOP will be used.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 2-20-86  
UNLESS DRILLING UNDERWAY

1. ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Scott Niles Title Geologist Date 8-9-85

(This space for State Use)

Original Signed By  
Mike Williams  
Oil & Gas Inspector

AUG 20 1985

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**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

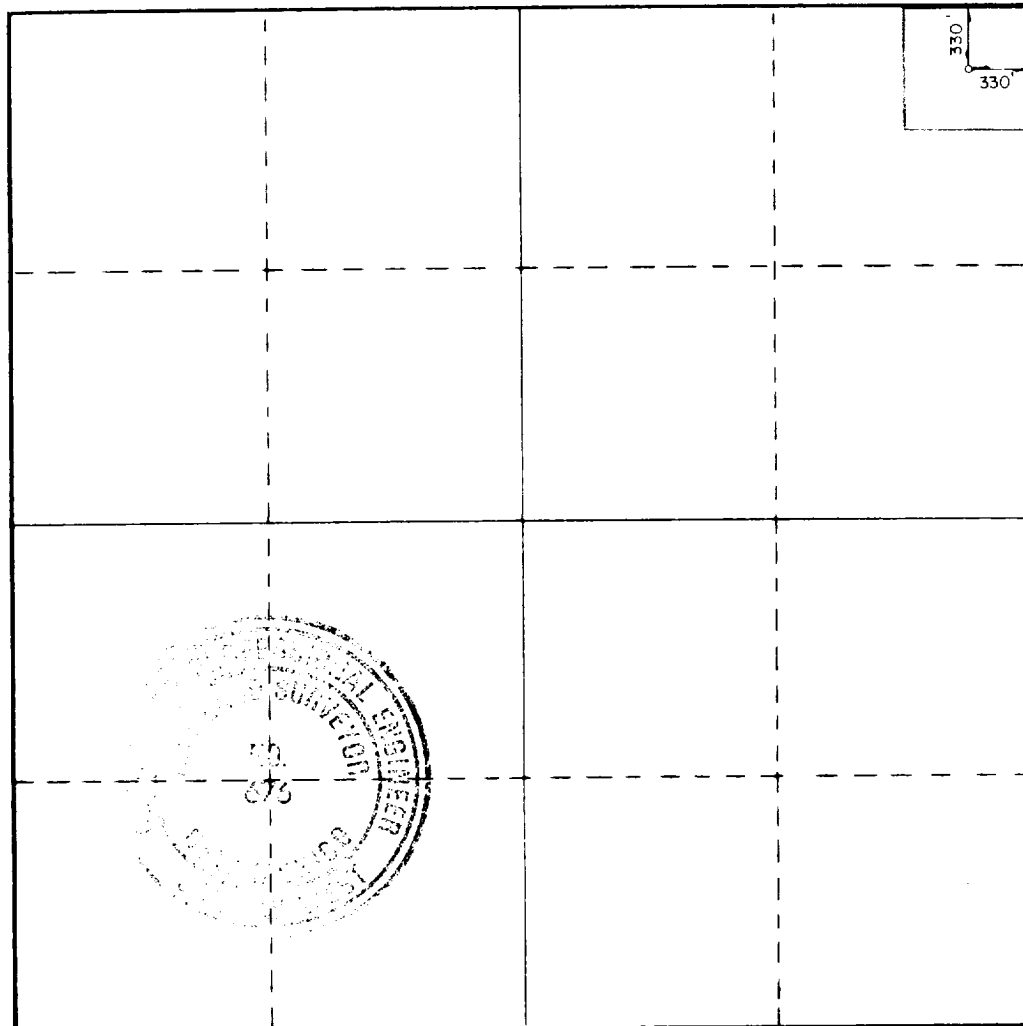
Operator <b>ARCH PETROLEUM, INC.</b>			Lease <b>THOMAS STATE</b>		Well No. <b>2</b>
Unit Letter <b>A</b>	Section <b>9</b>	Township <b>18S</b>	Range <b>28E</b>	County <b>EDDY</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>330 feet from the NORTH line and</span> <span>330 feet from the EAST line</span> </div>					
Ground Level Elev. <b>3643.5</b>	Producing Formation		Pool <b>Artesia - Qn, Gb, SA</b>		Dedicated Acreage: <b>40</b> 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.

Name: *Scott Alder*  
 Position: **Geologist**  
 Company: **Arch Petroleum, Inc.**  
 Date: **8-9-85**

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: **8/6/85**  
 Registered Professional Engineer and/or Land Surveyor:  
*John W. West*  
 Certificate No. **JOHN W. WEST, 676**  
**RONALD J. EIDSON, 3239**