

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. Contract No. 127		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
2. NAME OF OPERATOR COTTON PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 633 17th Street 1285 1st of Denver Plaza, Denver, Colorado 80202			8. FARM OR LEASE NAME Apache		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2000' FNL, 895' FWL At proposed prod. zone			9. WELL NO. 103		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Lindrieth Gallup-Dakota West		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2000'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3-T24N-R4W N.M.P.M.		
16. NO. OF ACRES IN LEASE -----			12. COUNTY OR PARISH 13. STATE Rio Arriba New Mexico		
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4000'			18. NO. OF ACRES ASSIGNED TO THIS WELL 225.3 Acres		
19. PROPOSED DEPTH 7650'			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.)			22. APPROX. DATE WORK WILL START* 8-15-77		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8	24.0	300'	300 sacks
7-7/8"	4 1/2	10.50 & 11.60	7650'	To be determined

It is proposed to drill this well with rotary tools, and drilling mud as a circulation medium, through the Dakota Formation. Possible production zones in the Gallup and Dakota Formation will be completed and and downhole commingled. Production casing will be cemented in such a manner as to protect the Pictured Cliffs Formation.

Estimated Formation Tops

Pictured Cliffs	3130'	Greenhorn	7230'
Cliff House	4780'	Graneros	7290'
Gallup	6410'	Dakota	7310'

The NW/4 of Section 3 is dedicated to this well. 225.3 Acres.
The natural gas to be produced from this well is committed.

For: Cotton Petroleum Corporation

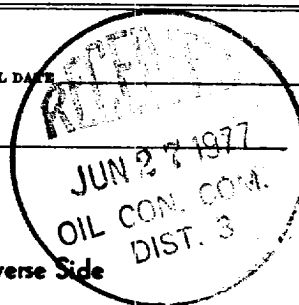
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Well N. Walsh, P.E. President, Walsh Engr. & Prod. Corp. DATE June 23, 1977
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



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

Form C-102
Supersedes C-128
Effective 1-1-65

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

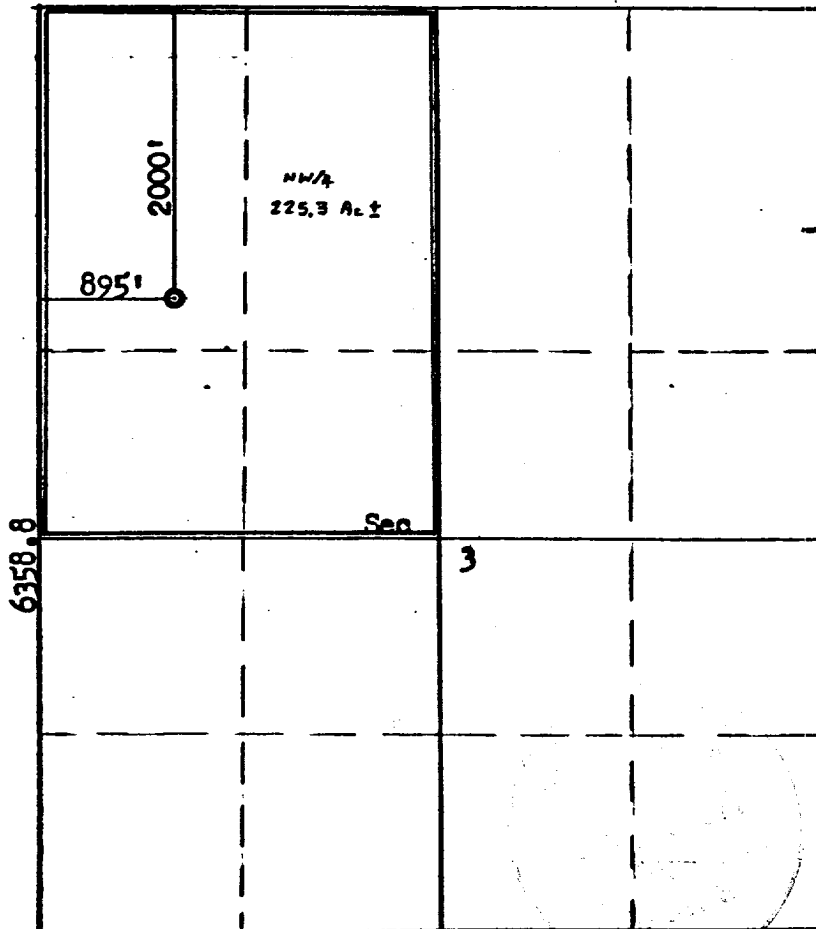
Operator Cotton Petroleum Corporation			Lease Apache		Well No. 103
Unit Letter D	Section 3	Township 24N	Range 4W	County Rio Arriba.	
Actual Footage Location of Well: 2000 feet from the North line and 895 feet from the West line					
Ground Level Elev: 6877	Producing Formation Dakota		Pool Lindrith-Gallup-Dakota, West		Dedicated Acreage: 225.3± Acres

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



Scale: 4 Inches = 1 Mile

CERTIFICATION

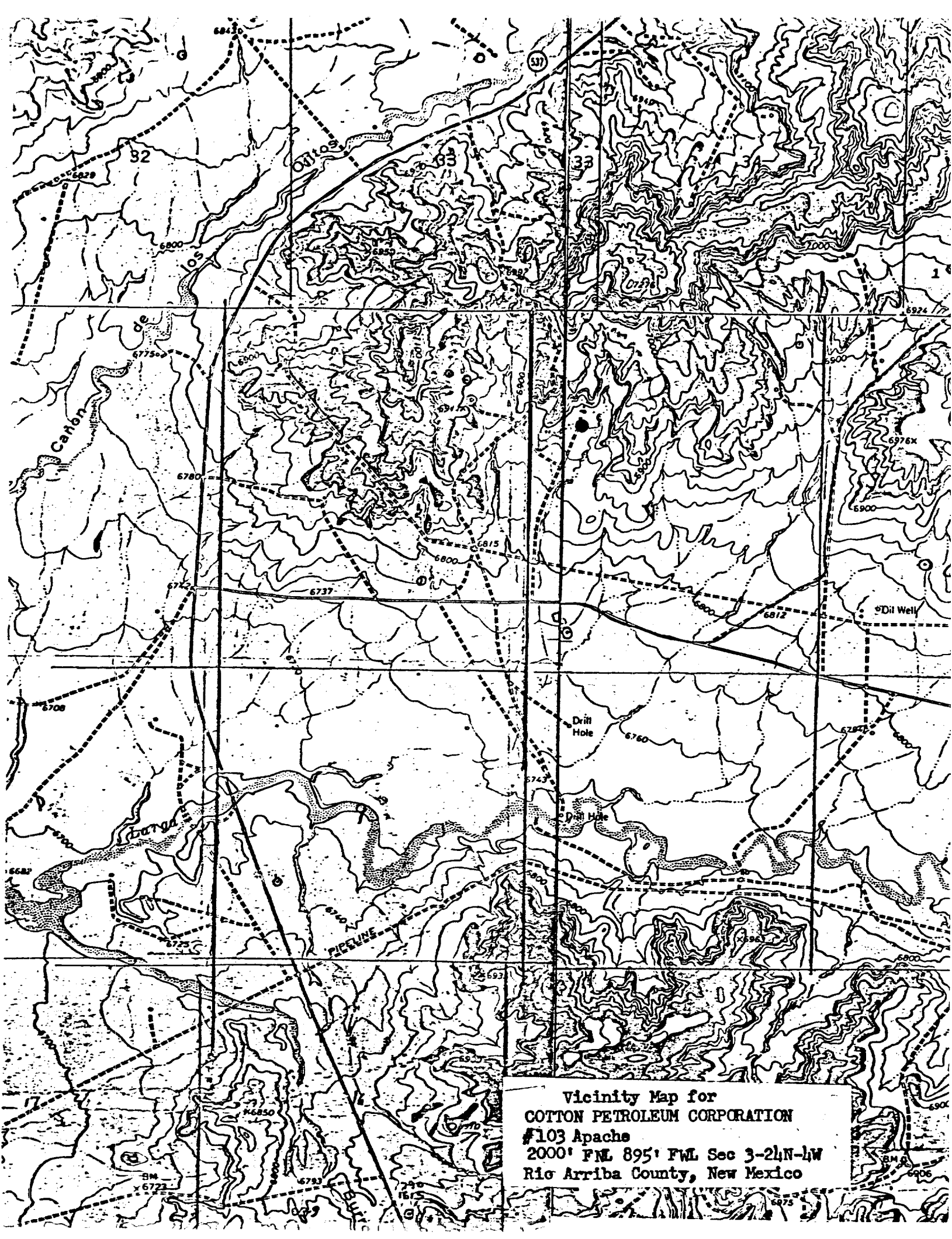
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
For: Cotton Petr. Corp.

Signature: *Ewell N. Walsh*
 Name: _____
 Position: **Ewell N. Walsh, President, Walsh**
 Company: **Engineering & Production Corporation**

Date: **June 23, 1977**

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: **June 13, 1977**
 Registered Professional Engineer and Land Surveyor
 Signature: *Fred H. Kerr Jr.*
 Name: **Fred H. Kerr Jr.**
 Certificate No.: **3950**



Vicinity Map for
COTTON PETROLEUM CORPORATION
#103 Apache
2000' FWL 895' FWL Sec 3-24N-4W
Rio Arriba County, New Mexico