

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAPI 30-043 - 20221
5. LEASE DESIGNATION AND SERIAL NO.

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"/>			Contract 391	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Jack A. Cole			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 191, Farmington, New Mexico 87401			8. FARM OR LEASE NAME Apache Flats	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1450/N and 990/W Sec. 25-T23N-R4W At proposed prod. zone Same			9. WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 70 miles SE Bloomfield, New Mexico			10. FIELD AND POOL, OR WILDCAT Bullard - Pictured Cliffs ex 7 Wildcat Chaco	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1450'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25-T23N-R4W	
16. NO. OF ACRES IN LEASE 1920			12. COUNTY OR PARISH 13. STATE Sandoval N.M.	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None	
19. PROPOSED DEPTH 3100'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6981 GR 6991 DF			22. APPROX. DATE WORK WILL START* June 30, 1976	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4	8 5/8	24.0	120'	Circulate
7 7/8	4 1/2	10.5	3050	250 Sacks

Well will be mud drilled to total depth after setting and cementing 8 5/8" surface casing. Run electric logs at total depth and set 4 1/2" casing if warranted, cementing same with 250 sacks (above Ojo Alamo). Sand-water frac treat down casing. Perforate casing opposite *Chaco* La Ventana sand. Set plug and perforate casing opposite Pictured Cliffs sand. Complete as co-mingled natural gas well.

Gas not dedicated

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. SIGNED *Jack A. Cole* TITLE Operator DATE May 13, 1976
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:*Obal**St*

*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.

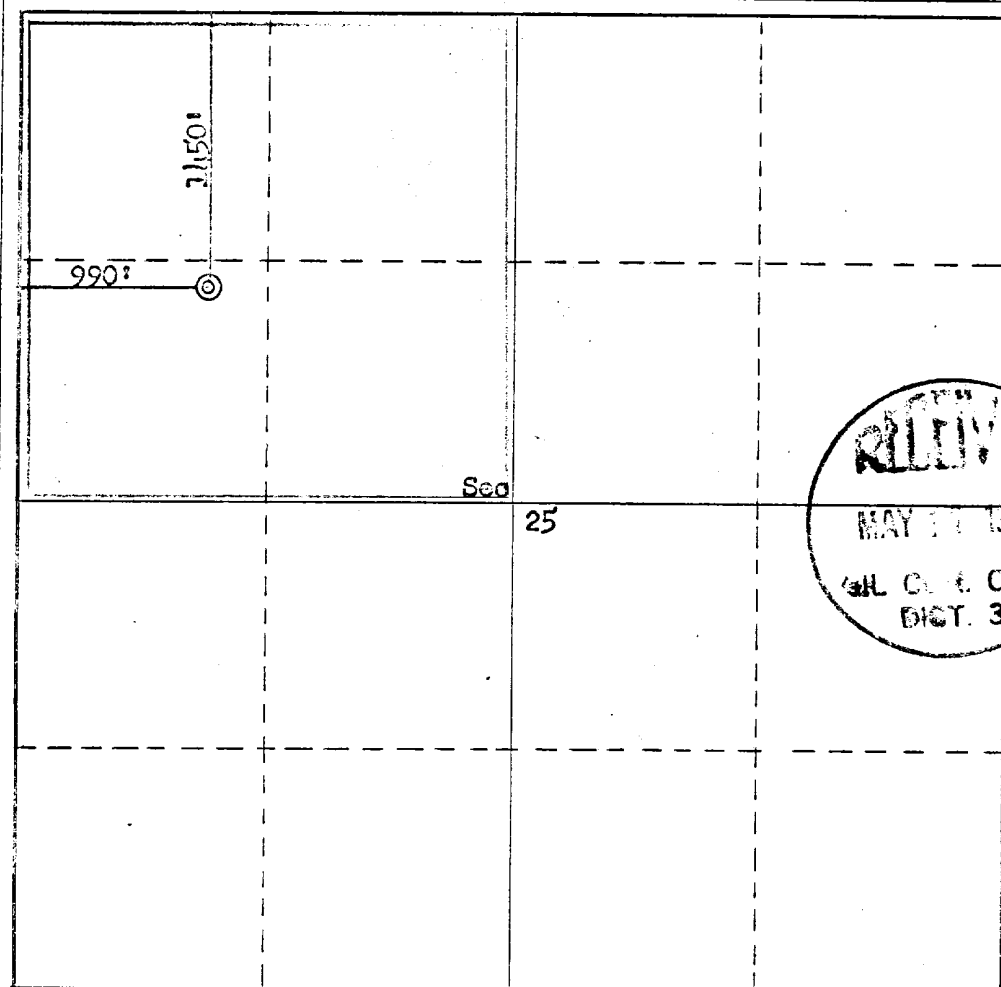
Operator Jack A. Cole			Lease Apache Flats		Well No. 5
Unit Letter E	Section 25	Township 23N	Range 1W	County Sandoval	
Actual Footage Location of Well: 1450 feet from the North line and 990 feet from the West line					
Ground Level Elev. 7112	Producing Formation Chaco & Cliffs		Pool Wildcat & Ballard ext		Dedicated Acreage 160 & 1/60 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.

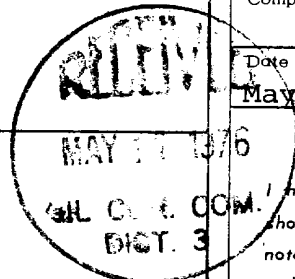


CERTIFICATION

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

Name
Jack A. Cole
Position
Operator
Company

Date
May 13, 1976



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
May 10, 1976
Registered Professional Engineer and/or Land Surveyor

Fred B. Karr
Certificate No.

3950

