

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
JACK A. COLE

3. ADDRESS OF OPERATOR  
P. O. Box 191 Farmington, N.M. 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 790'FNL, 1850'FWL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
32 miles Northwest of Cuba, N.M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
1850'

16. NO. OF ACRES IN LEASE  
2240.91

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160.08

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1000'

19. PROPOSED DEPTH  
3130'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
7269' GL

22. APPROX. DATE WORK WILL START\*  
5/15/81

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	85'	100 sacks
7-7/8"	4-1/2"	10.50	3130'	150 sacks

All producing intervals in Pictured Cliffs Formation will be perforated and stimulated as necessary.

## EXHIBITS

- |                                      |                               |
|--------------------------------------|-------------------------------|
| "A" Location & Elevation Plat        | "E" Access Road to Location   |
| "B" Ten Point Compliance Program     | "F" Radius Map of Field       |
| "C" Blowout Preventer Diagram        | "G" Drill Rig Layout          |
| "D" Multi-Point Requirements for APD | "H" Fracturing Program Layout |
|                                      | "I" Location Profile          |

The gas from this well is committed.

The NW/4, Section 36, is dedicated to this well.

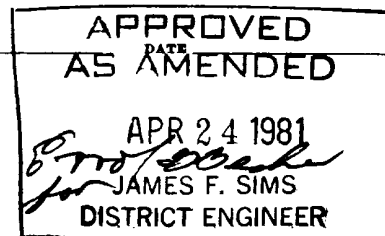
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. FOR: JACK A. COLE ORIGINAL SIGNED BY President, Walsh Engr.  
EWELL N. WALSH & Production Corp. DATE 3/31/81  
SIGNED Ewell N. Walsh, P.E. TITLE  
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1

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

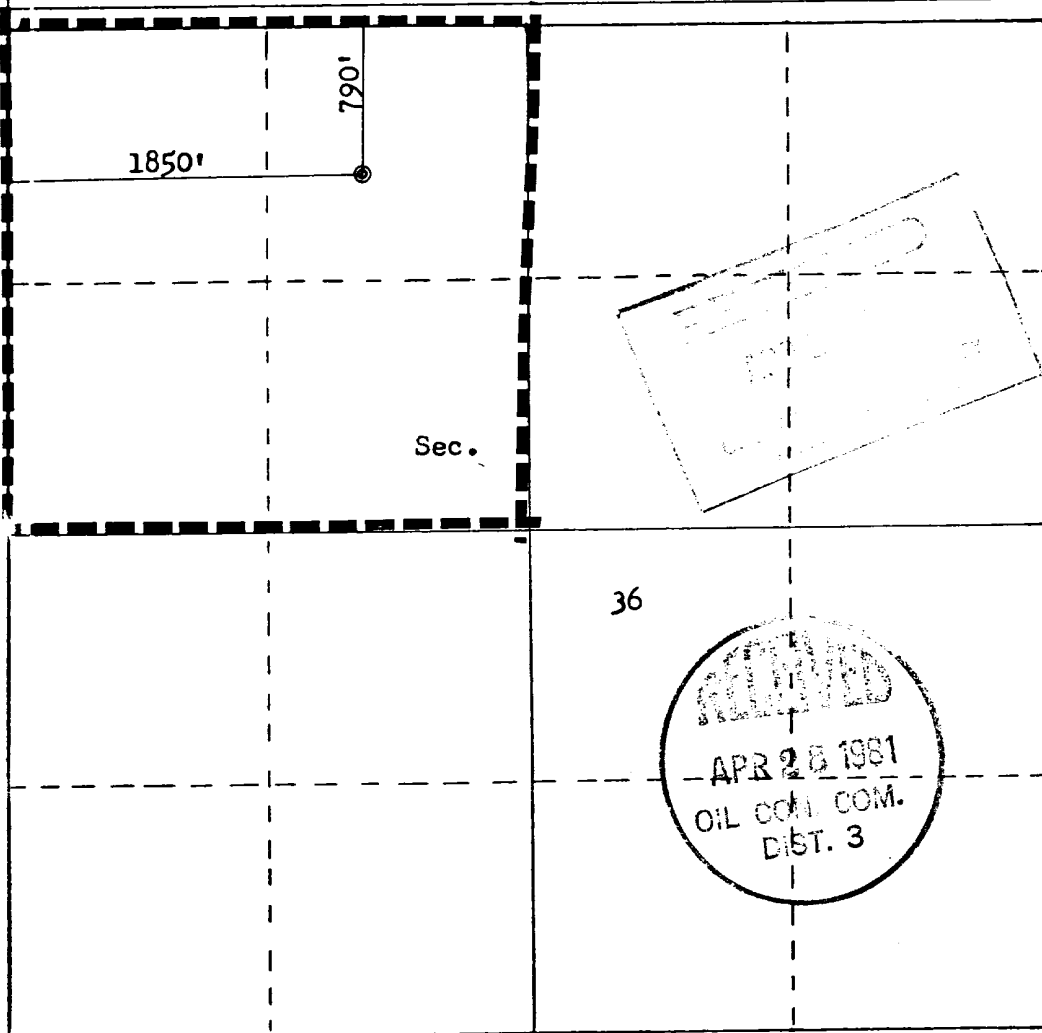
Operator: <b>JACK A. COLE</b>		Lease <b>INDIAN BEND</b>		Well No. <b>5</b>
Unit Letter <b>C</b>	Section <b>36</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Sandoval</b>
Actual Footage Location of Well: <b>790</b> feet from the <b>North</b> line and <b>1850</b> feet from the <b>West</b> line				
Ground Level Elev. <b>7269</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Ballard Pictured Cliffs</b>	Dedicated Acreage: <b>160.05</b> 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: 1"=1000'

## CERTIFICATION

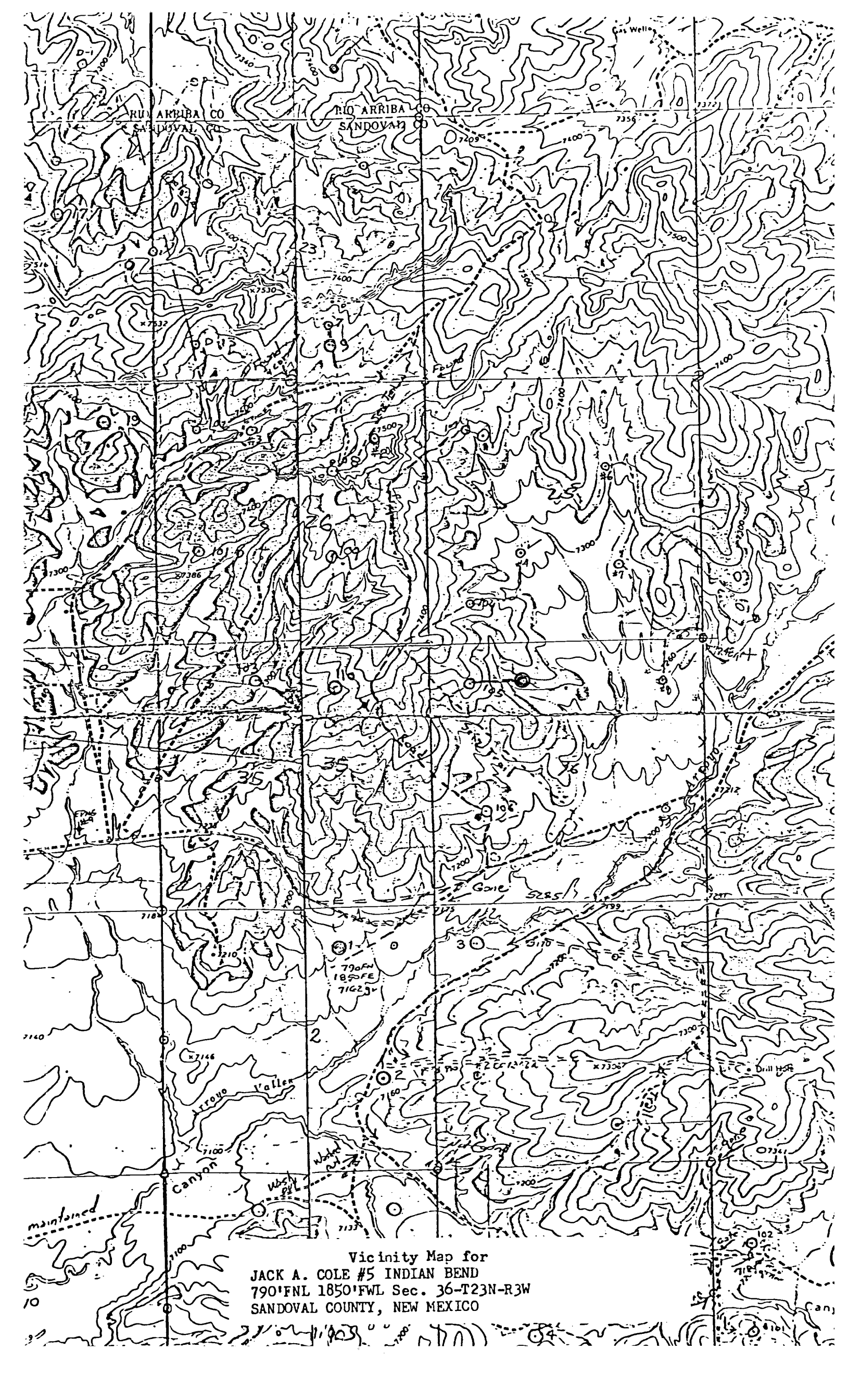
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  
FOR: JACK A. COLE

ORIGINAL SIGNED BY

Name **EWELL N. WALSH**  
**Ewell N. Walsh, P.E.**Position  
**President**Company  
**Walsh Engr. & Prod. Corp.**Date  
**3/31/81**

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  
**March 26, 1981**  
Registered Professional Engineer  
and Land Surveyor  
**Fred B. Kerr Jr.**  
Certificate No. **3950**



Vicinity Map for  
JACK A. COLE #5 INDIAN BEND  
790'FNL 1850'FWL Sec. 36-T23N-R3W  
SANDOVAL COUNTY, NEW MEXICO