

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. 358	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input 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 Indian Bend "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1850'FSL, 790'FEL At proposed prod. zone Same		9. WELL NO. 3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 32 miles Northwest of Cuba, N.M.		10. FIELD AND POOL, OR WILDCAT Ballard Pictured Clif	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5-T22N-R2W I N.M.P.M.	
16. NO. OF ACRES IN LEASE 2546		12. COUNTY OR PARISH Sandoval	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE N.M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2600'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7334'G.L.		22. APPROX. DATE WORK WILL START* 4/20/82	

## 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	120'	100 sacks
7-7/8"	4-1/2"	10.50	2806'	150 sacks

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

## EXHIBITS

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

The gas from this well is committed.

The SE/4, Section 5 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  
EWELL N. WALSH President, Walsh Engr.  
& Prod. Corp. DATE 3/24/82  
SIGNED Ewell N. Walsh, P.E. TITLE  
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APR 14 1982

OIL &amp; GAS DIV.

\*See Instructions On Reverse Side

APPROVED  
AS AMENDED

APR 12 1982

DISTRICT ENGINEER

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

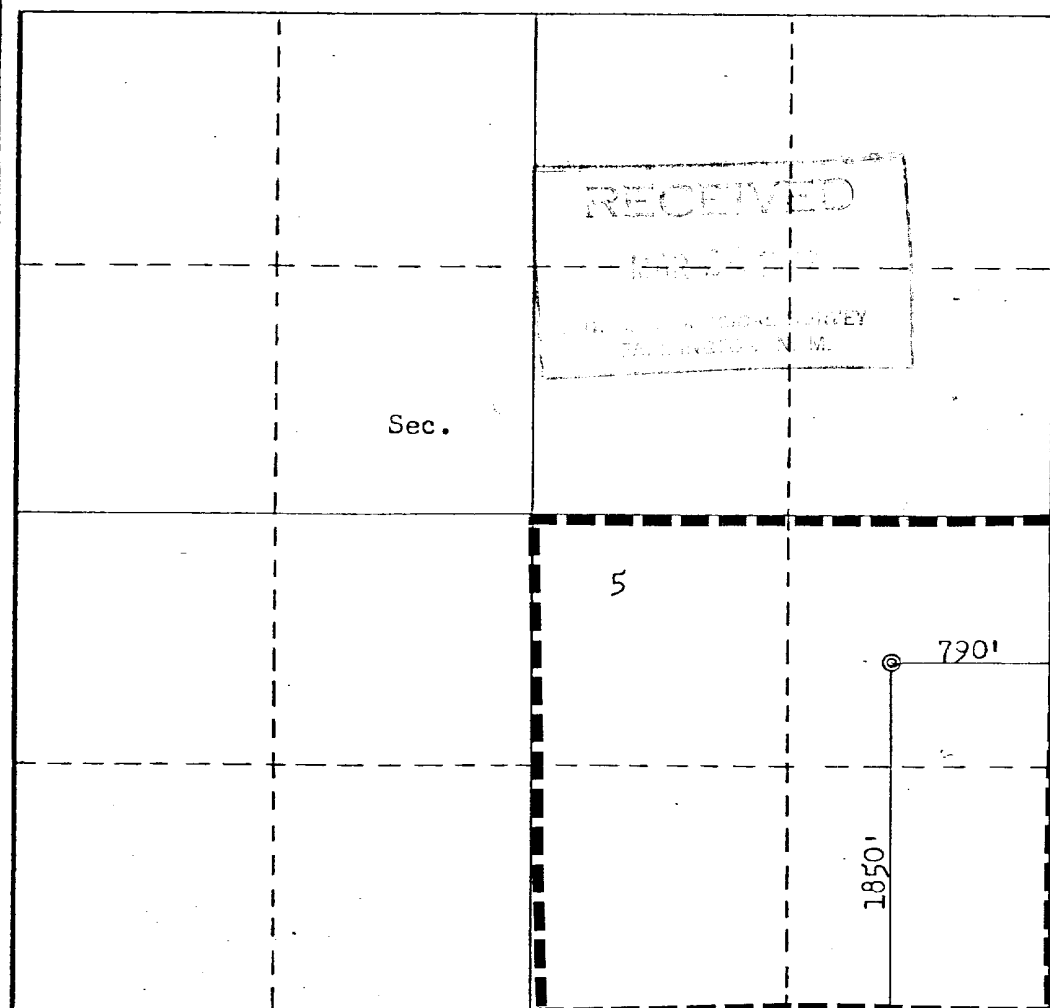
Operator <b>JACK A. COLE</b>		Lease <b>INDIAN BEND "A"</b>		Well No. <b>3</b>
Unit Letter <b>I</b>	Section <b>5</b>	Township <b>22N</b>	Range <b>2W</b>	County <b>Sandoval</b>
Actual Footage Location of Well: <b>1850</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>East</b> line				
Ground Level Elev. <b>7334</b>	Producing Formation <b>Pictured Cliffs</b>	Pool <b>Ballard Pictured Cliffs</b>	Dedicated Acreage: <b>160</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.



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  
**EWELL N. WALSH**

Name  
**Ewell N. Walsh, P.E.**

Position  
**President**

Company  
**Walsh Engineering & Prod. Co.**

Date  
**3/24/82**

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 17, 1982**

Registered Professional Engineer and/or Land Surveyor

**Fred B. Kerr Jr.**

Certificate No.

**3950**

**F. B. KERR, JR.**

