

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

International Oil &amp; Gas Corporation

## 3. ADDRESS OF OPERATOR

825 Petroleum Club Building, Denver, Colorado

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

710' from NL &amp; 1750' from WL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approx. 13 mi. So. &amp; 14 mi. East of Blanco, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

710'

## 16. NO. OF ACRES IN LEASE

2248.40

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

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

1220'

## 19. PROPOSED DEPTH

7375'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Gr. 6598.0

## 22. APPROX. DATE WORK WILL START\*

Upon approval

## 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"		250'	150 sax
7-7/8"	4-1/2"	10.5 & 11.6	7400'	350 sax

4 1/2" OD 10.5" J-55 ST & C casing will be used from approximately 50' to 6680' and 4 1/2" OD 11.6" J-55 ST & C casing will be used from 0-50' and 6680' to 7375'. This string will be cemented in two stages. The first stage will consist of 200 sax of 40% diacel "D" followed by 100 sax of Incor cement through the casing shoe. The second stage will be through a stage cementing collar set below the Pictured Cliffs formation. The first stage is designed to reach about 1000' above the Mesa Verde formation and the second stage is designed to cover the Pictured Cliffs formation.

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 \_\_\_\_\_

TITLE Engineering Manager

DATE \_\_\_\_\_

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

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

TITLE \_\_\_\_\_



\*See Instructions On Reverse Side