

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 ☐		5. LEASE DESIGNATION AND SERIAL NO.
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR International Oil & Gas Corporation		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 825 Petroleum Club Building, Denver, Colorado		8. FARM OR LEASE NAME Federal Miles
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 710' from NL & 1750' from WL At proposed prod. zone		9. WELL NO. D1 - 85
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 13 mi. So. & 14 mi. East of Blanco, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 710'	16. NO. OF ACRES IN LEASE 2248.40	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-26N-7W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1220'	19. PROPOSED DEPTH 7375'	12. COUNTY OR PARISH Rio Arriba
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Gr. 6598.0		13. STATE NM
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 [Signature] TITLE Engineering Manager DATE 11-16-64
(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY [Signature]

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

None

*See Instructions On Reverse Side



Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.