

CONFIDENTIAL

30-039-24123

Form C-101
Revised 10-1-78

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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"/> | | 7. Unit Agreement Name Bear Canyon Unit |
| b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> | | 8. Firm or Lease Name |
| 2. Name of Operator Amoco Production Company | | 9. Well No. 1 |
| 3. Address of Operator 2325 E. 30 St., Farmington, NM 87401 | | 10. Field and Pool, or Wildcat Gavilan-Grnhorn-Graneros DK & Gavilan Mancos |
| 4. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1680</u> FEET FROM THE <u>North</u> LINE AND <u>1780</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>15</u> TWP. <u>26N</u> RGE. <u>2W</u> NEPM | | 12. County Rio Arriba |
| 19. Proposed Depth 8510' | | 19A. Formation Mancos Dakota |
| 20. Rotary or C.T. Rotary | | |
| 21. Elevations (Show whether DF, RT, etc.) 7395' GR | 21A. Kind & Status Plug. Bond State-wide | 21B. Drilling Contractor Unknown |
| 22. Approx. Date Work will start As soon as permitted | | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 12-1/4" | 9-5/8" | 36# | 300' | 400 | Surface |
| 7-7/8" | 5-1/2" | 17# | 8510' | 1160 | 2500' |

Amoco proposes to drill the above well to further develop the Gavilan Greenhorn-Graneros Dakota and Gavilan Mancos reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids non-dispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is not dedicated at this time.

APPROVAL EXPIRES 11-12-87
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
MAY 12 1987
OIL CON. DIV.
DIST. 3

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed BDS Shaw Title Adm. Supervisor Date May 7, 1987

(This space for State Use)

APPROVED BY Ernie Bussel TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE MAY 12 1987

CONDITIONS OF APPROVAL, IF ANY:

Hold C-101 for storage
Consolidation

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