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5A. Indicate Type of Lease
STATE ☐ FEDERAL ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name <u>Bear Canyon Unit</u>
6. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Term of Lease Name
2. Name of Operator <u>Amoco Production Company</u>		9. Well No. <u>5</u>
3. Address of Operator <u>2325 East 30th Street Farmington, NM 87401</u>		10. Field and Pool, or Wildcat <u>Gavilan Mancos Ext</u>
4. Location of Well UNIT LETTER <u>M</u> LOCATED <u>850</u> FEET FROM THE <u>South</u> LINE AND <u>850</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>12</u> TWP. <u>26N</u> RCT. <u>2W</u> NEARBY		11. County <u>Rio Arriba</u>
15. Proposed Depth <u>7500'</u>		19A. Formation <u>Gallup</u>
21A. Kind & Status Plug. bond <u>State-wide</u>		20. History of C.T. <u>Rotary</u>
21B. Drilling Contractor <u>Unknown</u>		22. Approx. Date Work will start <u>As soon as permitted</u>
21. Elevations (show whether Dr, R, etc.) <u>7374' GR</u>		

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	10-3/4"	40.5 # K55	300'	300	Surface
9-7/8"	7-5/8"	26.4 # K55	6750'	1800	Surface
6-3/4"	5"	29.7 # N80	7500'	150	2500'
		15 #, K55			

DV Tool at 4000'

Amoco proposes to drill the above well to further develop the 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 nondispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout preventer will be utilized; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the surface left flat and leveled. The gas from this well is not dedicated.

APPROVAL EXPIRES 11-2-88
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED

MAY 03 1988

OIL CON. DIV.]

DIST. 8

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION AND PROPOSED NEW PRODUCTION. 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 B. Shaw Title Adm Supervisor Date April 29, 1988

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 8 DATE MAY 03 1988

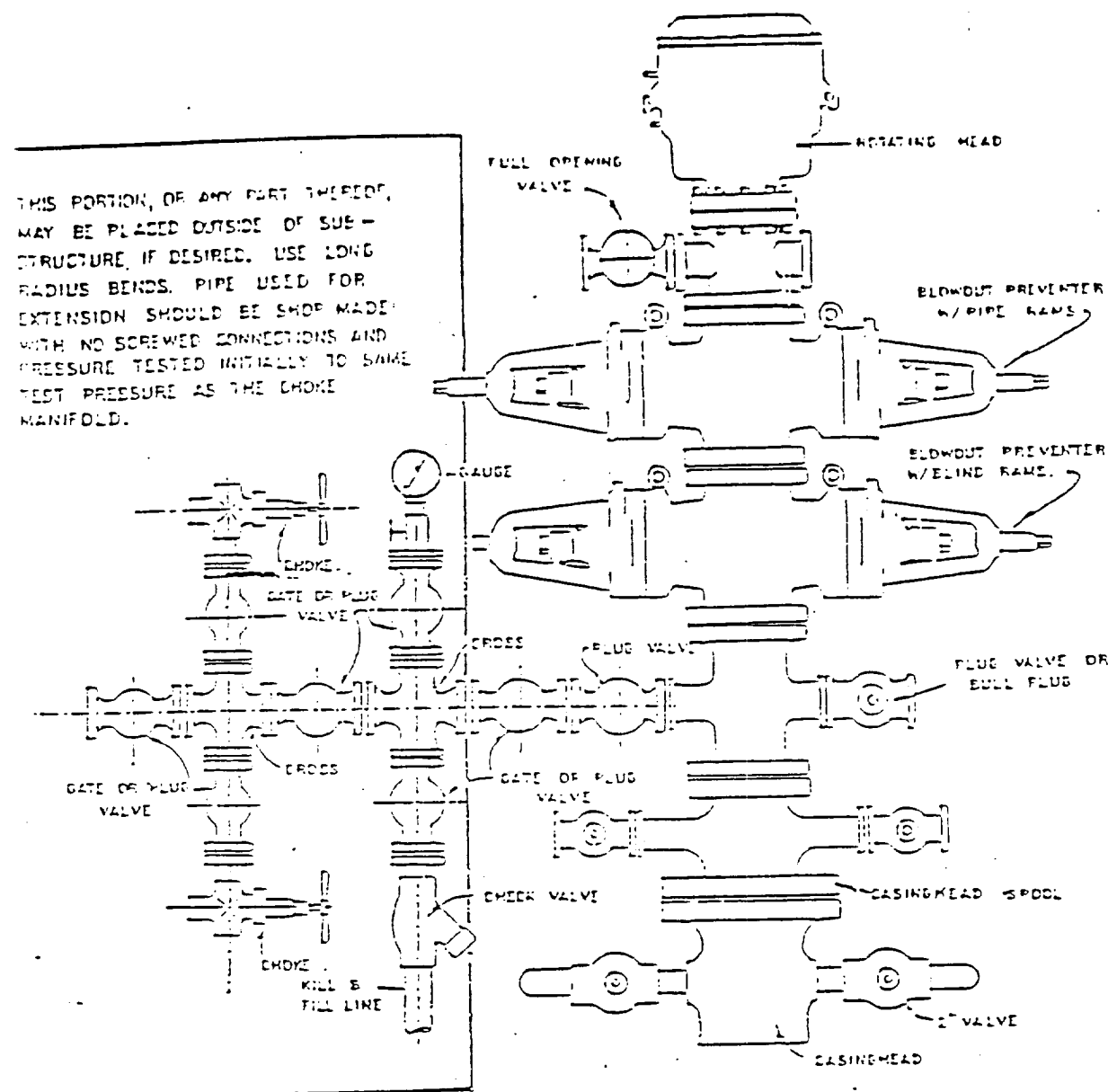
CONDITIONS OF APPROVAL, IF ANY:

CONFIDENTIAL

Form C-102
Revised 10-1-78

7016

2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above Blowout Preventer shall be same size or larger than BOP being drilled through.
4. All fittings to be flanged.
5. Omsco or comparable safety valve must be available on rig floor at all times with proper connection or sub. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe, or at least as great as I.D. of drill collars.



BLOWOUT PREVENTER HOOKUP

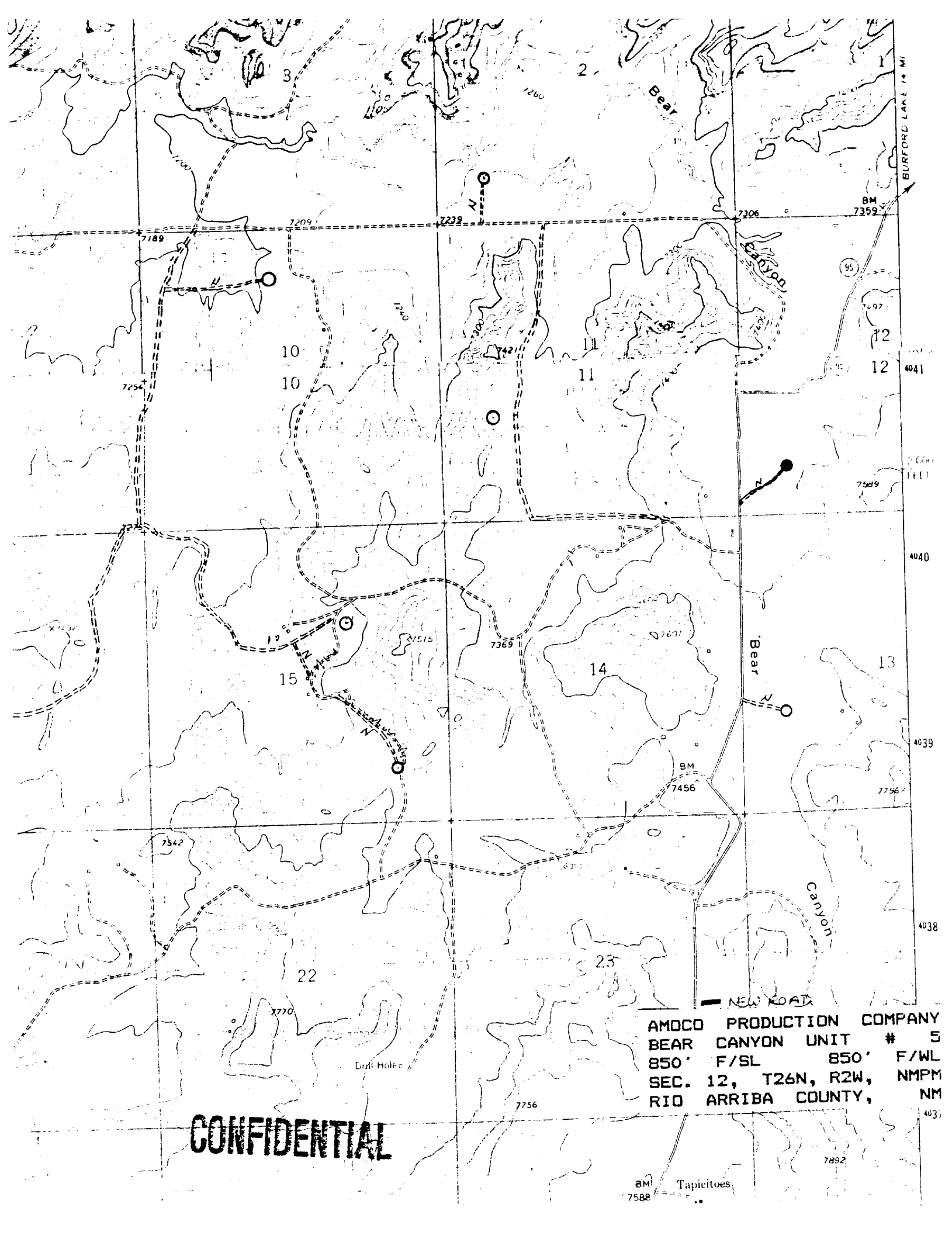
900

EXHIBIT D-4

OCTOBER 16, 1965

...both pipe and blind rams will be tested each trip
...runs, pipe rams will be closed once each 24 hours.

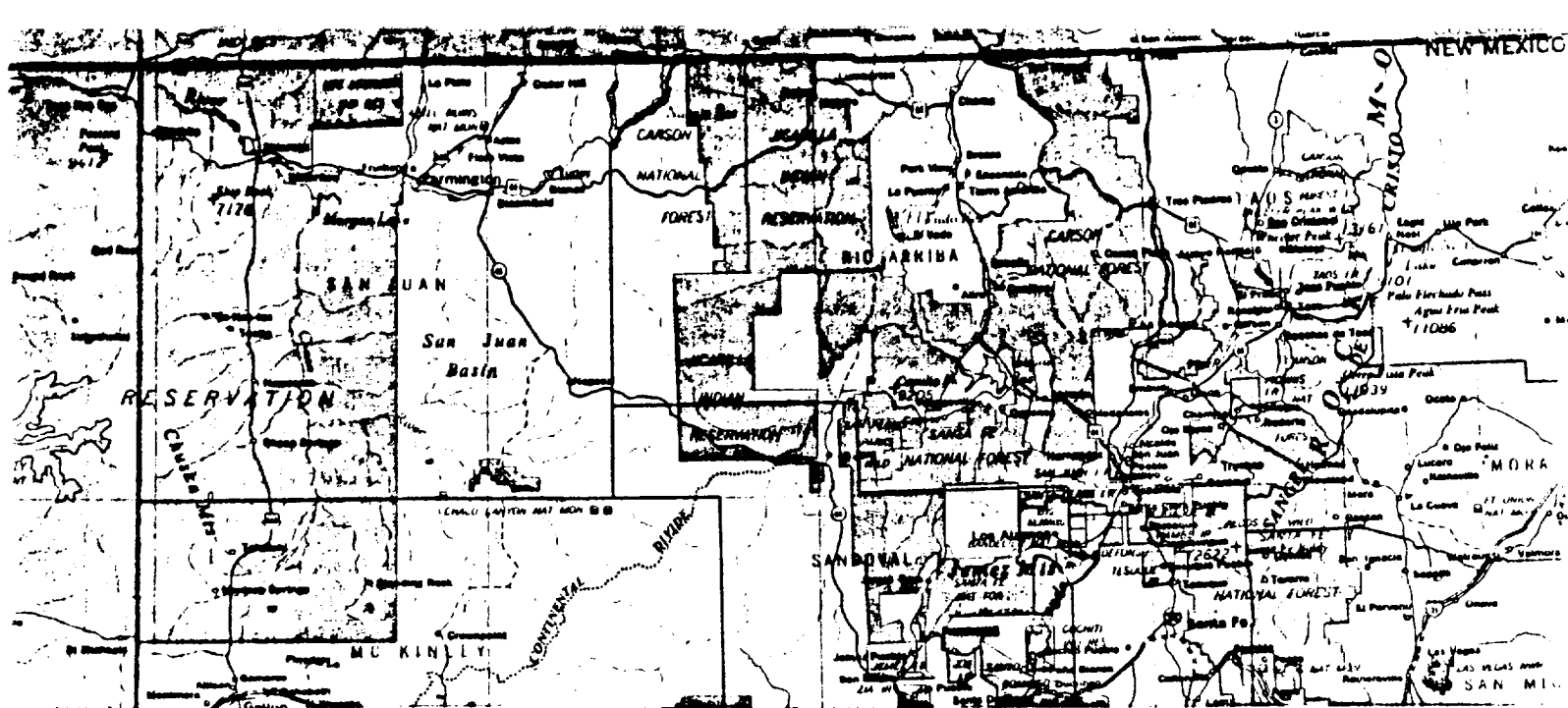
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AMOCO PRODUCTION COMPANY
BEAR CANYON UNIT # 5
850' F/SL 850' F/WL
SEC. 12, T26N, R2W, NM
RIO ARriba COUNTY, NM

BM 7588 Tapicitoes



BEAR CANYON UNIT # 5
 150' F/SL 850' F/WL
 SEC. 12, T26N, R2W, NMPM
 RAIL POINT: 137 miles, Albuquerque, NM
 ROAD POINT: 99 miles, Aztec, NM
 CEMENT POINT: 113 miles, Farmington, NM

