

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 720
SANTA FE, NEW MEXICO 87501

30-029-24209

Form C-101
Revised 10-1-78

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OIL CON. DIV.
DIST. 3

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>	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		8. Form or Lease Name	
2. Name of Operator <u>Amoco Production Company</u>		9. Well No. <u>6</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>L</u> LOCATED <u>1800</u> FEET FROM THE <u>South</u> LINE AND <u>790</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>13</u> TWP. <u>26N</u> RGE. <u>2W</u> NEARBY		11. County <u>Rio Arriba</u>	
12. Proposed Depth <u>7500'</u>		13A. Formation <u>Gallup</u>	
12. Elevation (Show whether DT, K, etc.) <u>7427' GR</u>		12. Notary or C.T. <u>Rotary</u>	
21A. Kind & Status Plug. Bond <u>State-wide</u>		21B. Drilling Contractor <u>Unknown</u>	
22. Approx. Date Work will start <u>As soon as permitted</u>			

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
		29.7 # N80			
6-3/4"	5"	15 # K55	7500'	150	2500'

DV tool at 4000'

Amoco proposes to drill the subject 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 non dispersed 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 design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is not dedicated.

APPROVAL EXPIRES 11-3-88
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEVELOP 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 BD Shaw Title Adm Supervisor Date April 29, 1988

(This space for State Use)

APPROVED BY 3.M.S. TITLE SUPERVISOR DATE MAY 03 1988

CONDITIONS OF APPROVAL, IF ANY:

CONFIDENTIAL

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

Operator AMOCO PRODUCTION COMPANY			Lease BEAR CANYON UNIT		Well No. # 6
Unit Letter L	Section 13	Township 26 NORTH	Range 2 WEST	County RIO ARriba	
Actual Footage Location of Well: 1800 feet from the SOUTH line and 790 feet from the WEST line					
Ground Level Elev. 7427	Producing Formation Gallup	Pool Gavilan Mancos	Dedicated Acreage 640 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Unitization

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 Division.

CERTIFICATION

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

B D Shaw

Name

B D Shaw

Position

Adm Supervisor

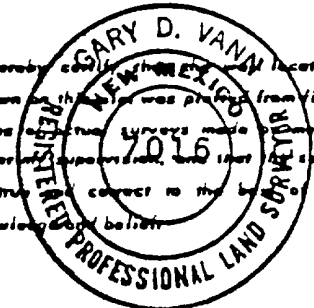
Company

Amoco Production Company

Date

April 29, 1988

I hereby certify that the location shown on this map was plotted from field notes of the survey 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

April 26, 1988

Registered Professional Engineer
and/or Land Surveyor

Gary D. Vann

Certificate No.

7016

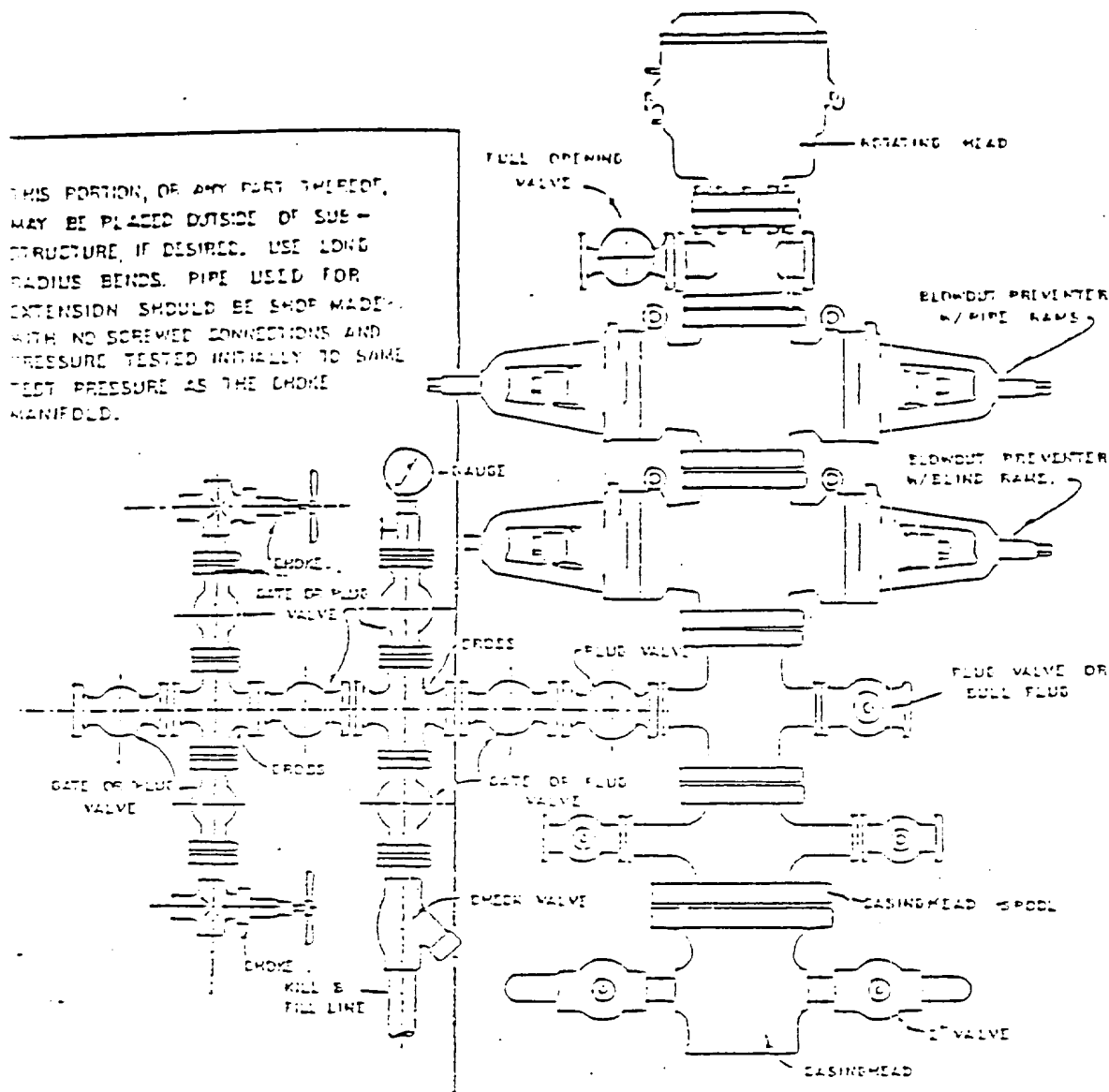
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OIL CON. DIV
DIST. 3

0 320 640 960 1280 1600 1920 2240 2560 2880 3200 3520 3840 4160 4480 4800 5120 5440 5760 6080 6400

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. Gasto 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

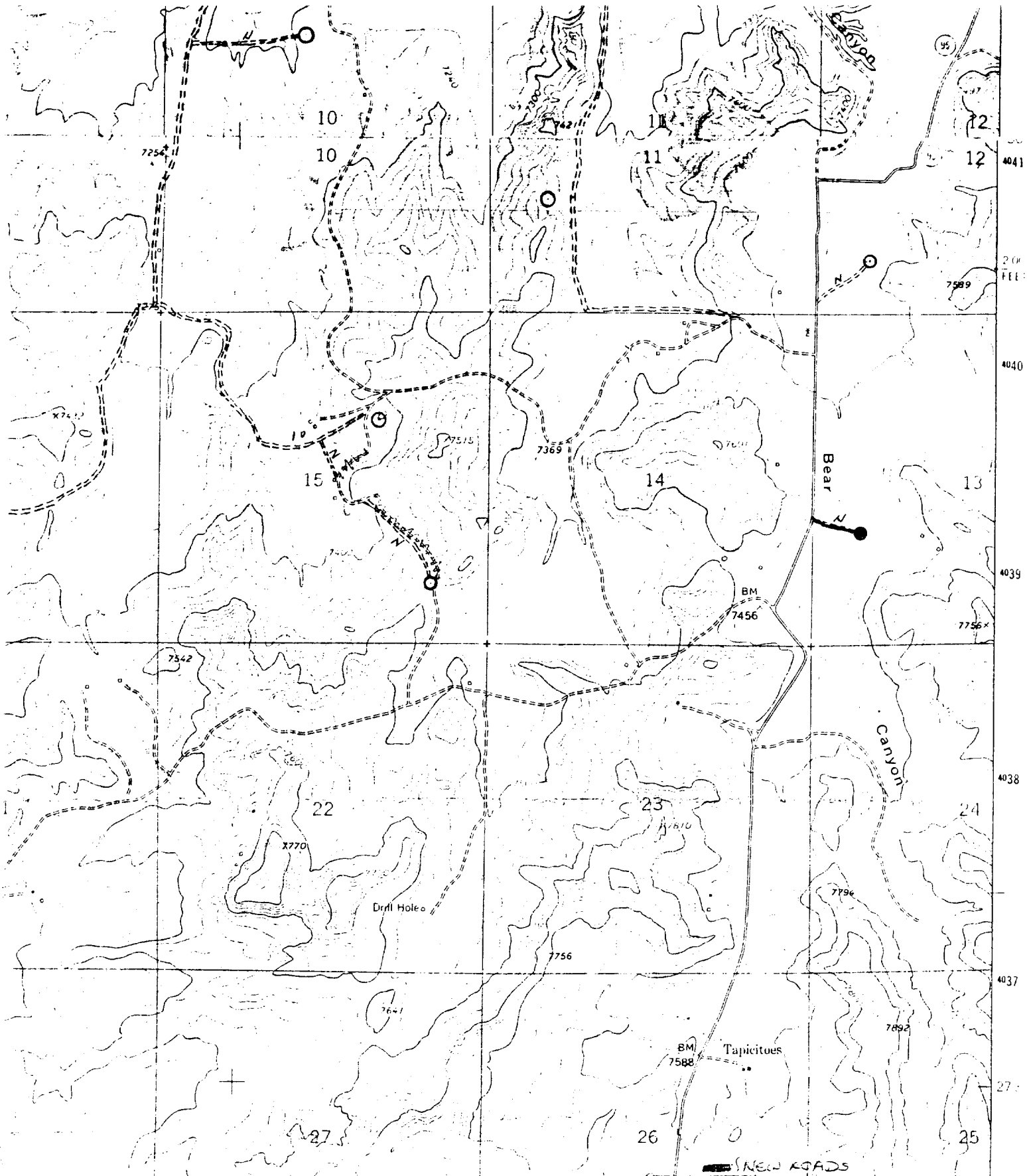
500

EXHIBIT D-4

OCTOBER 16, 1969

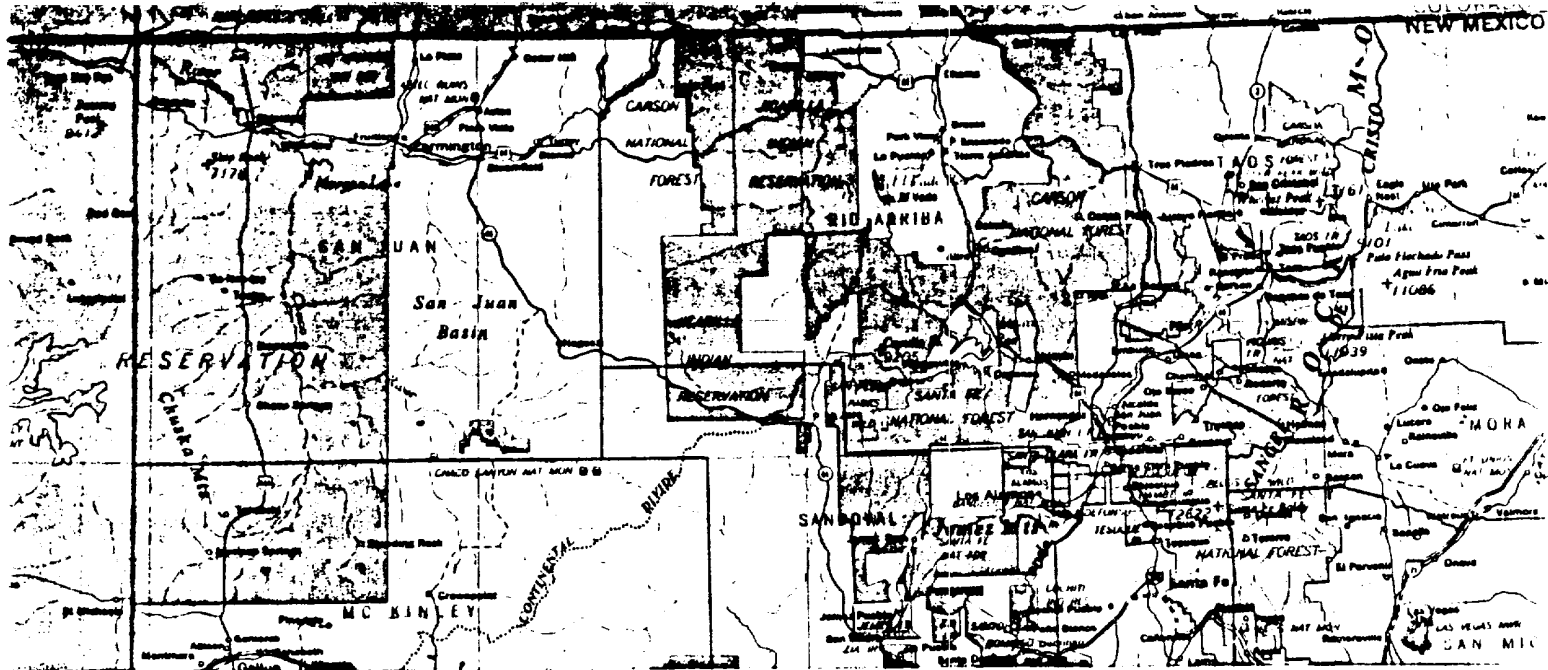
During both pipe and blind rams will be tested each trip
 After runs, pipe rams will be closed once each 24 hours.

CONFIDENTIAL



CONFIDENTIAL

AMOCO PRODUCTION COMPANY
BEAR CANYON UNIT # 6
1800' F/SL 790' F/WL
SEC. 13, T26N, R2W, NMPM
RIO ARriba COUNTY, NM



BEAR CANYON UNIT # 6
 .800' F/SL 790' F/WL
 SEC. 13, T26N, R2W, NMPM
 RAIL POINT: 137 miles, Albuquerque, NM
 HUD POINT: 108 miles, Aztec, NM
 CEMENT POINT: 121 miles, Farmington, NM

