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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
CIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. Name of Operator

Amoco Production Co.

3. Address of Operator

501 Airport Drive, Farmington, N M 87401

4. Location of Well

UNIT LETTER L LOCATED 1470 FEET FROM THE South LINE

AND 960 FEET FROM THE West LINE OF SEC. 20 TWP. 31N RGE. 5W

5A. Indicate Type of Lease
STATE ☐ FEE ☒

5. Title Oil & Gas Lease No.

7. Unit Agreement Name

Rosa Unit

8. Name of Lease Owner

9. Well No.

121

10. Field and Pool, or Wildcat

Basin Dakota/UndesGLP

12. County

Rio Arriba

11. Elevations (Show whether D.P., K.I., etc.)

6337' GR

21A. Kind & Status Plug. Bond

Statewide

21B. Drilling Contractor

Unknown

22. Approx. Date Work will start

As soon as permitt

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"	9-5/8"	32.3#, H-40	300'	308 Sxs	surface
7-7/8"	5-1/2"	15.5#, K-55	8181'	1805 Sxs	surface

Amoco proposes to drill the above well to further develop the Basin Dakota/Undes GLP 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. 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 be cleaned and the reserve pit filled and leveled. The gas from this well is undedicated at this time.

APPROVAL EXPIRES 12-24-85
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
JUN 25 1985
OIL CON. DIV.
DIST. 3

I 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.

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

Signed B. S. Shaw Title Adm. Supervisor Date 6-17-85

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JUN 25 1985

CONDITIONS OF APPROVAL, IF ANY:

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 ROSA UNIT		Well No. 121
Unit Letter L	Section 20	Township 31 NORTH	Range 5 WEST	County RIO ARriba	
Actual Footage Location of Well: 1470 feet from the SOUTH line and 960 feet from the WEST line.					
Ground Level Elev. 6337	Producing Formation Dakota/Gallup	Pool Basin Dakota/Undes. Gallup		Dedicated Acreage 320/160 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 Unitized

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

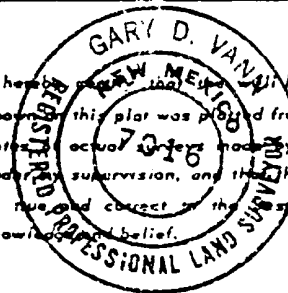
Company

Amoco Production Co.

Date

4/24/85

I hereby certify that the location shown on this plat was plotted from field notes, actual surveys 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

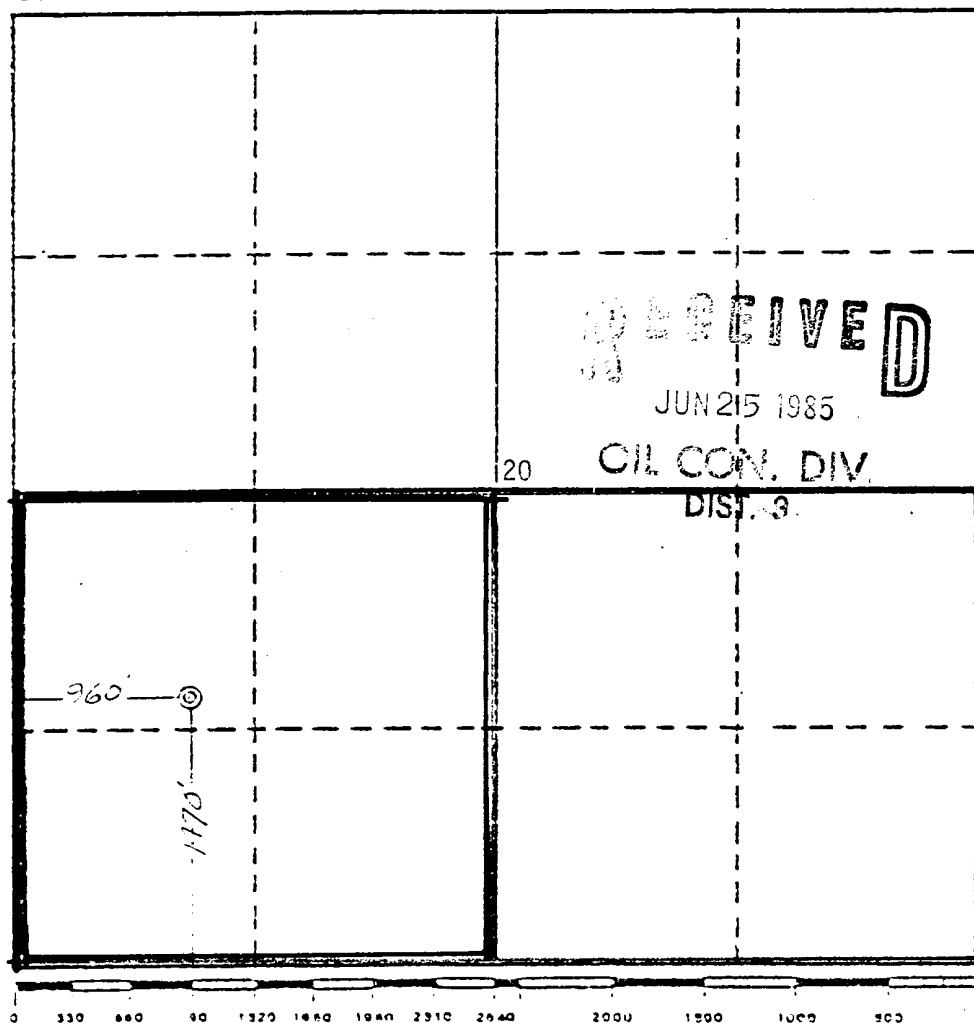
February 6, 1985

Registered Professional Engineer
and/or Land Surveyor

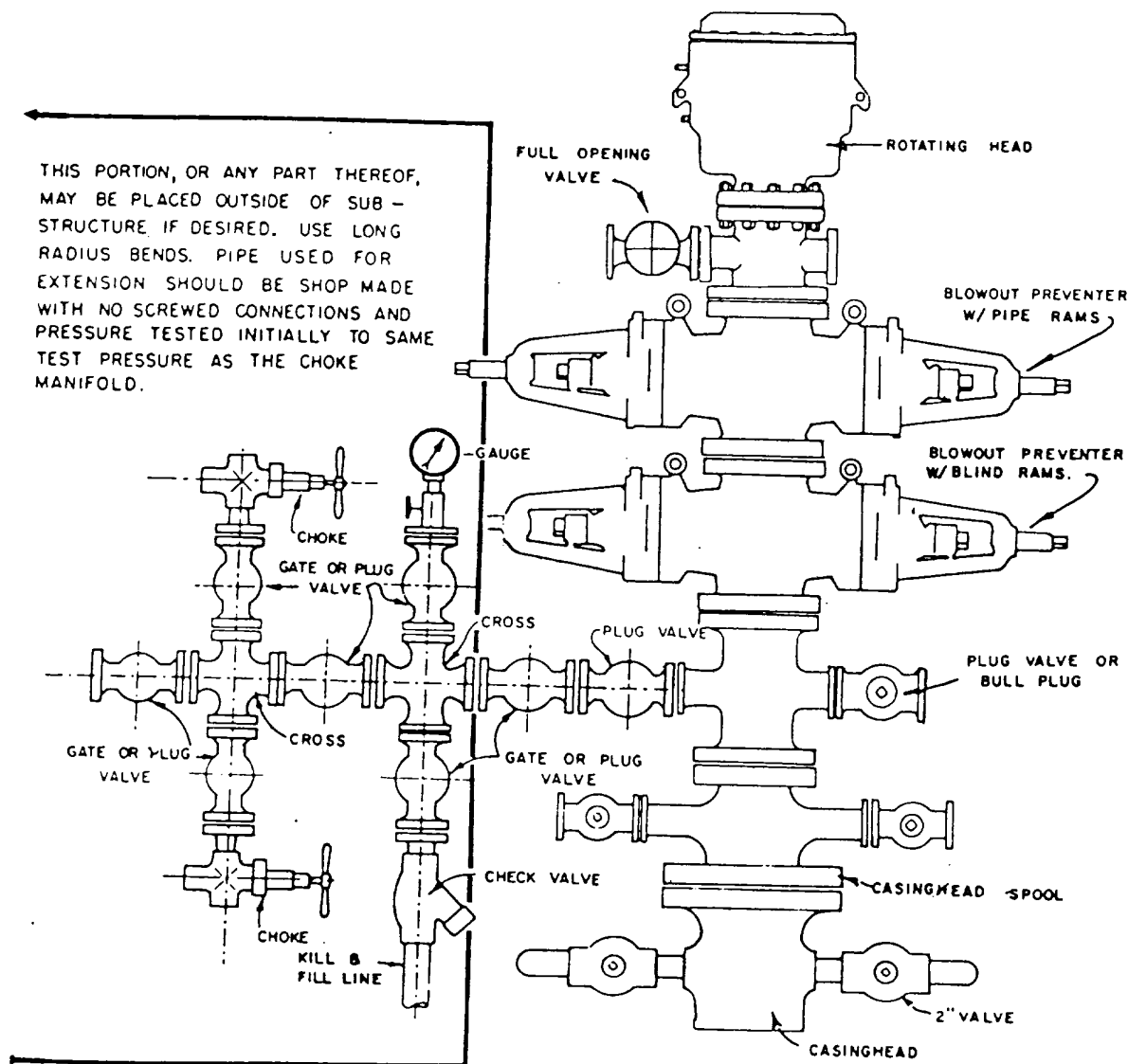
Gary D. Vann
Gary D. Vann

Certificate No.

7016



1. Blowout Preventers and Master Valve to be fluid operated, and all fittings must be in good condition.
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.



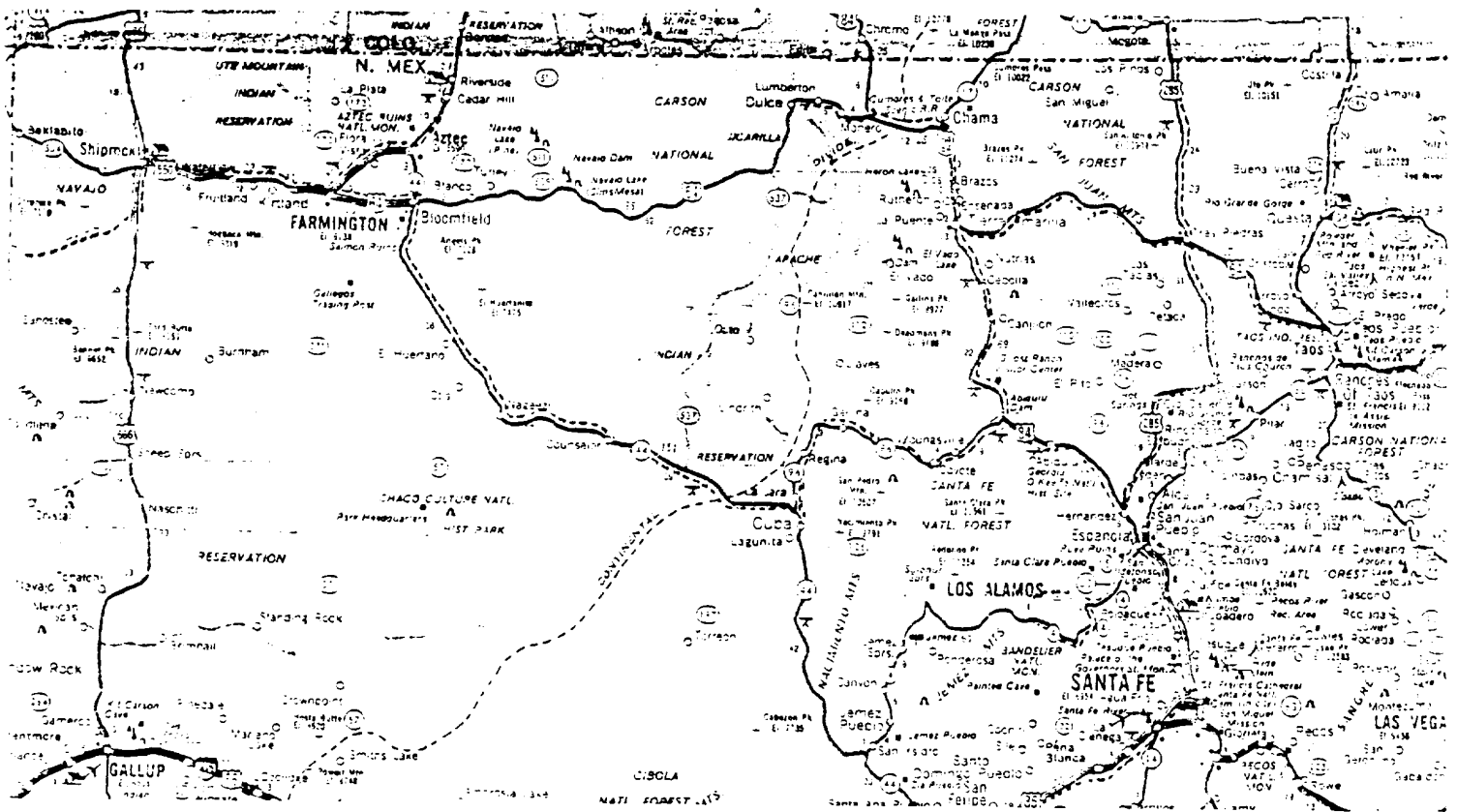
BLOWOUT PREVENTER HOOKUP

API Series # 900

EXHIBIT D-4

OCTOBER 16, 1969

Operation of BOP by closing both pipe and blind rams will be tested each trip or, on long bit runs, pipe rams will be closed once each 24 hours.



ROSA UNIT No. 121
 1470' F/SL 960' F/WL
 Sec. 20, T31N, R5W, NMPM
 RAIL POINT: 195 mi. Gallup, N.M.
 MUD POINT: 68 mi. Aztec, N.M.
 CEMENT POINT: 72 mi. Farmington, N.M.

