

TO: OPERATOR RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. Type of Work
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐
 2. Type of Well
 OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

3. Name of Operator
 AMOCO PRODUCTION COMPANY

4. Address of Operator
 501 Airport Drive, Farmington, NM 87401

5. Location of Well
 UNIT LETTER N LOCATED 1030-350 FEET FROM THE South LINE
1350-1530 FEET FROM THE West LINE OF SEC. 23 TWP. 29N RGE. 13W NMMP

5A. Indicate Type of Lease
 STATE ☐ FCC ☒
 6. State Oil & Gas Lease No.
 7. Unit Agreement Name
 Gallegos Canyon Unit
 8. Form of Lease Name
 9. Well No.
 161E
 10. Field and Pool, or Wildcat
 Basin Dakota
 11. County
 San Juan

15. Proposed Depth
 6296'
 15A. Formation
 Dakota
 15B. Rotary or C.T.
 Rotary
 16. Deviations (show whether LR, RL, etc.)
 5275' GL
 21A. Kind & Status Plug. Bond
 Statewide
 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
1/4"	3 5/8"	24.0 #	300'	315	Surface
7/8"	4 1/2"	11.6 #	6296'	1055	Surface

Amoco proposes to drill the above well to further develop the Basin Dakota 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 location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to El Paso Natural Gas, Contract No. 56742

An application of approval of this unrecorded location will be filed with the Santa Fe Office of the NMOC.

APPROVAL VALID
 60 DAYS UNLESS
 DRILLING COMMENCED

EXPIRES 8-18-81

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 W. L. Peterson Title District Engineer Date 2-13-81

(This space for State Use)

SUPERVISOR DISTRICT # 3

APPROVED BY Sam J. Chang TITLE DATE FEB 18 1981

CONDITIONS OF APPROVAL, IF ANY:

1/10/81
 2-10-81
 1/15/81

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

Operator AMOCO PRODUCTION COMPANY		Lease GALLEGOS CANYON UNIT		Well No. 161E
Unit Letter N	Section 23	Township 29N	Range 13W	County San Juan
Actual Footage Location of Well: 350 feet from the South line and 1530 feet from the West line				
Ground Level Elev. 5633	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

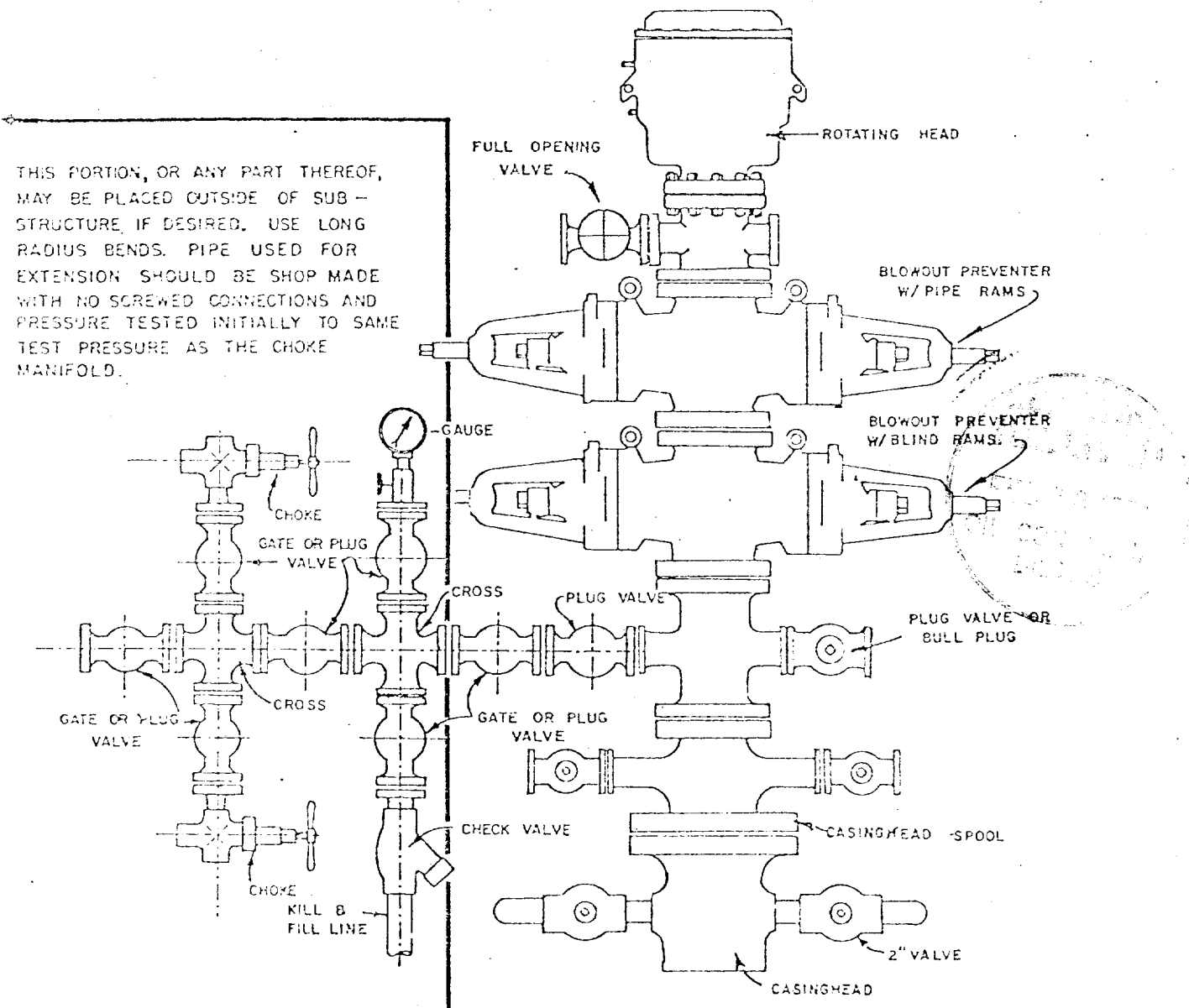
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

Sec.		23	
1530'		350'	

Scale: 1"=1000'

RETAINED CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. FEB 18 1981 OIL CON. DIST. 3/1/81	
Name	W. L. PETERSON
Position	DISTRICT ENGINEER
Company	AMOCO PRODUCTION COMPANY
Date	2-12-81
I hereby certify that the well location shown on this plat was plotted from field notes of 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	January 6, 1981
Registered Professional Engineer and Land Surveyor	Fred B. Kerr, Jr.
Certificate No.	3950

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.