

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1520' FNL x 450' FEL

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approx. 12.5 miles south of Blanco, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

890'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6653' GL 6668'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24.0# K-55	300'
7-7/8"	4-1/2"	10.5# K-55	7023'

5. LEASE DESIGNATION AND SERIAL NO.

SF-077951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jack Frost Gas Com C

9. WELL NO.

1E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA

SE/NE, Section 26, T27N,

R10W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E 320

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

As soon as permitted

This action is subject to administrative
appeal pursuant to 30 CFR 290.

QUANTITY OF CEMENT

350 cu. ft. Class B x 2% CaCl₂
924 cu. ft. Class B, 50:50 POZ
2# med tuf plug/sx, .8% FLA
tail-in x 118 cu. ft. Class B neat.

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 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.

The gas from this well is dedicated to El Paso Natural Gas Company under Contract No. 56742.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24

Original Signed By

District Engineer

DATE 5-19-83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for WSL
ack 2

AMOCO

JUL 18 1983
John D. Hallen
For Area Manager

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

Operator AMOCO PRODUCTION COMPANY		Lease JACK FROST COM "C"		Well No. 1E
Unit Letter H	Section 26	Township 27N	Range 10W	County San Juan
Actual Footage Location of Well: 1520 feet from the North line and 450 feet from the East line				
Ground Level Elev. 6668	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: E 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 _____

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. 26

1520'

450'

RECEIVED
MAY 23 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Scale: 1"=1000'

CERTIFICATION

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

Dale H. Shoemaker

Name
DALE H. SHOEMAKER

Position
DISTRICT ENGINEER

Company
AMOCO PRODUCTION COMPANY

Date
MAY 19, 1983

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

May 9, 1983

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certification No.

3750

SUPPLEMENTAL INFORMATION TO FORM 9-331C
Jack Frost Gas Com "C" No. 1E
1520' FNL x 450' FEL, Section 26, T27N, R10W
San Juan County, NM

RECEIVED

JUL 29 1983

OIL CON. DIV.
DIST. 3

The geologic name of the surface formation is the Nacimiento DIST. 3.

Estimated tops of important geologic markers and potential water, oil, or gas bearing formations:

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Ojo Alamo	1280 '	5386 '
Kirtland	1630 '	5036 '
Fruitland	2280 '	4386 '
Pictured Cliffs	2425 '	4241 '
Chacra (if present)	3350 '	3316 '
Cliff House	3970 '	2696 '
Mesaverde-		
Point Lookout	4825 '	1841 '
Gallup	5940 '	726 '
Dakota	6915 '	-249 '
TD	7023 '	-357 '

Estimated KB elevation: 6666 '

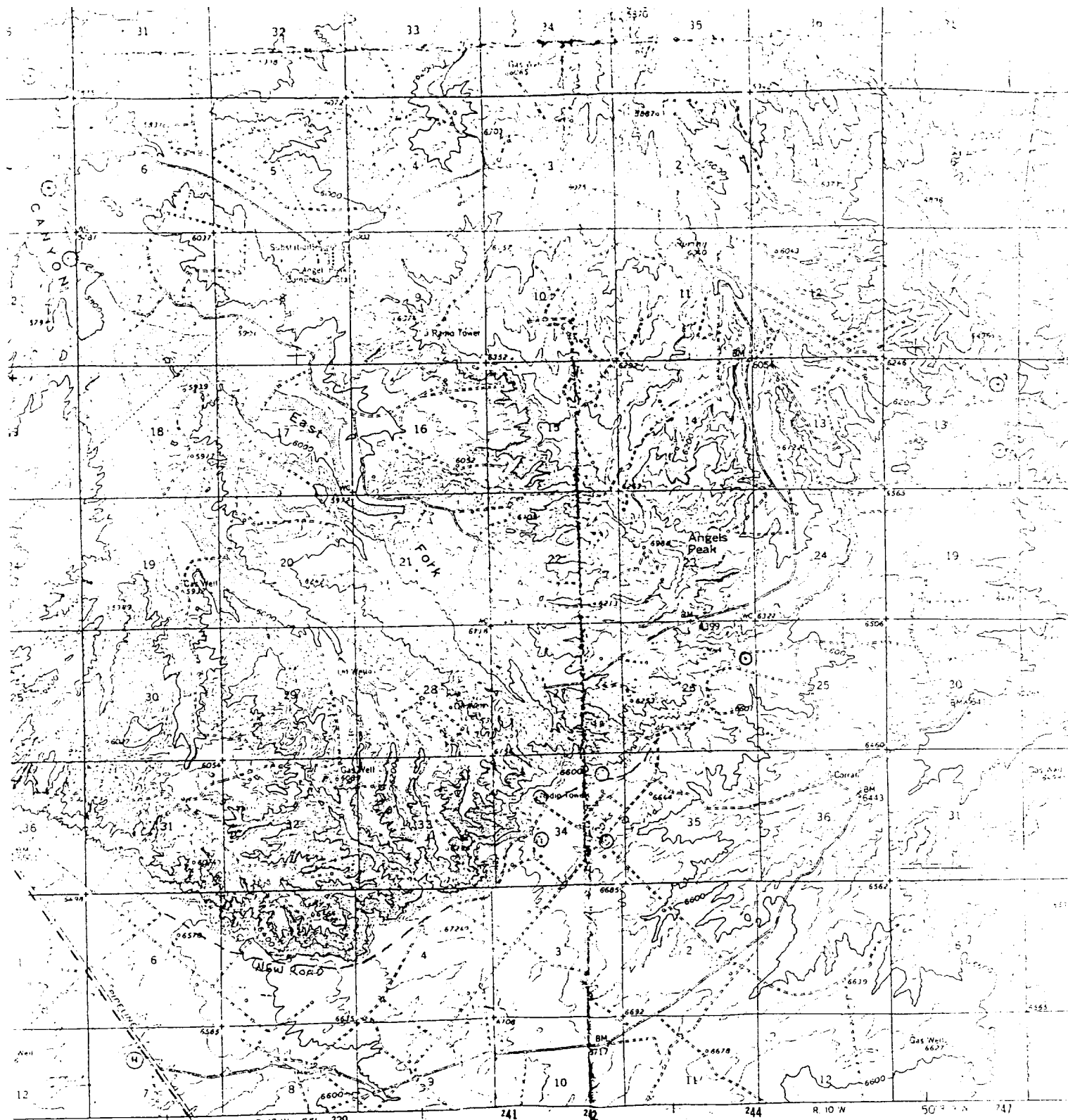
Drilling fluid to TD will be a fresh water, low solids non-dispersed mud system. Open hole logging program will include logs from TD to below surface casing : DIL-SP-GR, CNL-FDC-GR

Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amoco's standard blowout prevention will be employed (see attached drawing).

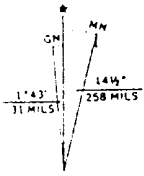
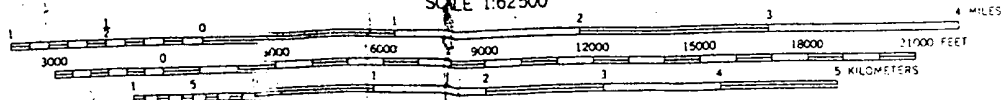
In the past, drilling in this area has shown that no abnormal pressures, temperatures, nor hydrogen sulfide gas will be encountered.



BLANCO TRADING POST 8 MI.
CUBA 71 MI.

R. 10 W 55° 239

SCALE 1:62500



Vicinity Map for
AMOCO PRODUCTION CO. #1E JACK FROST COM "C"
1520'FNL 450'FEL Sec. 26-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

A POLYMER