

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-24372
5. LEASE DESIGNATION AND SERIAL NO.

SF-077951-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jack Frost "B"

9. WELL NO.

2E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA

SE/4, NE/4, Section 27, T27N, R10W

12. COUNTY OR PARISH | 13. STATE

San Juan

New Mex

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

GIL WELL

GAS WELL

OTHER

INFILL

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

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

H 1630' FNL and 790' FEL, Section 27, T27N, R10W

At proposed prod. zone

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

Same

12 miles South of Blanco

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

790'

16. NO. OF ACRES IN LEASE

1922.16

17. NO. OF ACRES ASSIGNED TO THIS WELL

N 3/20

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

3550'

19. PROPOSED DEPTH

6710'

20. ROTARY OR CABLE TOOLS

Rotary

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

6220' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" (New)	32# K-55	300'	300 sx Class "B" w/2% CaCl2-circ
7-7/8"	4-1/2" (New)	10.5# K-55	6710'	1570 sx Class "B" 50:50 POZ, 6% gel, .8% fld loss, 2# med tuf plug/sx. Tail in w/100 sx Class "B" Neat circ.

This application to drill an Infill Basin Dakota well is pursuant to Order No. R-1670-V approved by the NAGCD on May 22, 1979. This well will qualify under Section 103 of the Natural Gas Policy Act under Order No. R-1670-V.

The gas from this well is dedicated to El Paso Natural Gas Co.



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.

SIGNED: B. E. Fackrell TITLE: District Engineer DATE: April 18, 1980

APPROVED BY: _____ APPROVAL DATE: _____

CONDITIONS OF APPROVAL, IF ANY: _____

AMOCO

James & Lewis

ck Bush



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section

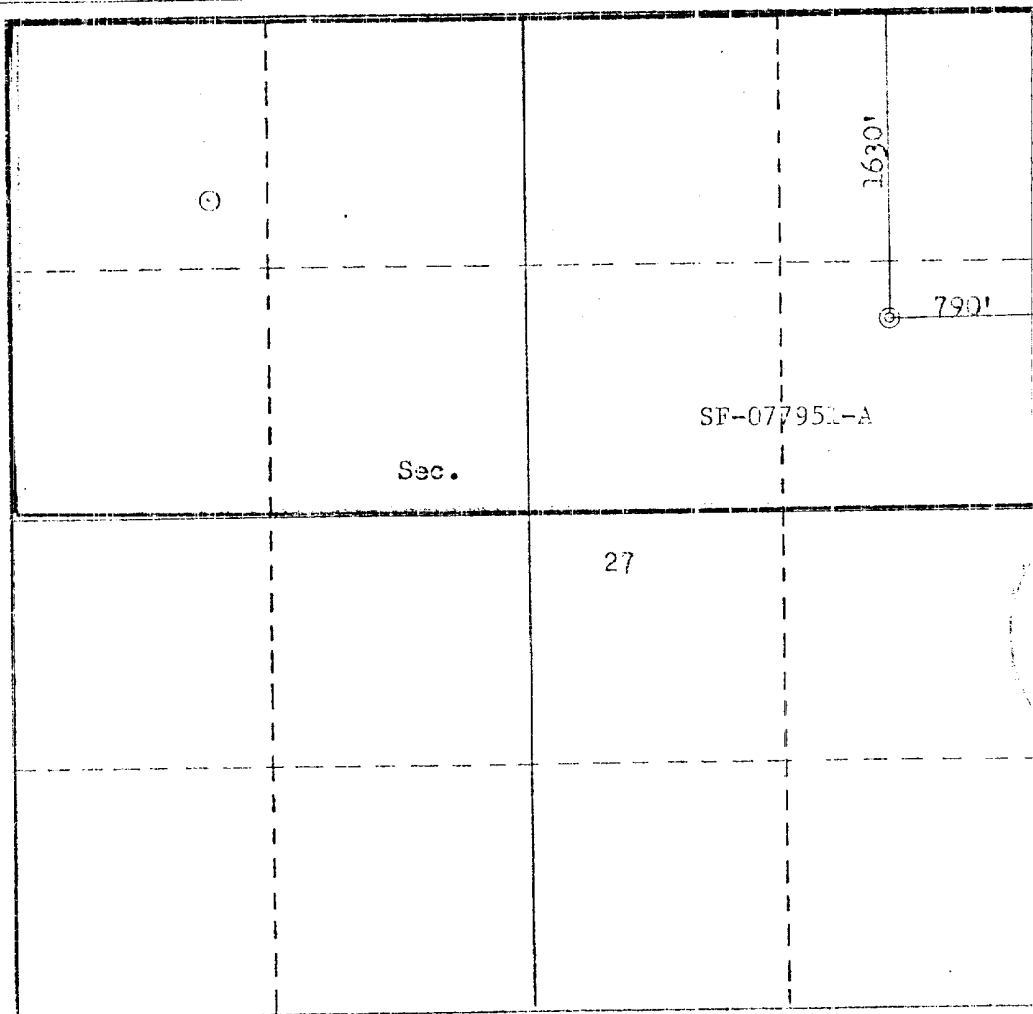
Operator AMOCO PRODUCTION COMPANY			Lease JACK FROST "B"		Well No. 2-E
Unit Letter H	Section 27	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well: 1630 feet from the North line and 790 feet from the East line					
Ground Level Elev. 6220	Producing Formation Dakota		Pool Basin Dakota	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 Jointly owned acreage - all owners approved drilling of well.

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.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>B. E. Fackrell</i>	
Name	B. E. FACKRELL
Position	DISTRICT ENGINEER
Company	AMOCO PRODUCTION COMPANY
Date	FEBRUARY 26, 1980
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	February 21, 1980
Registered Professional Engineer and/or Land Surveyor	
<i>[Signature]</i>	
Certificate No.	3950

SUPPLEMENTAL INFORMATION TO FORM 9-331C

JACK FROST "B" NO. 2E
 1630' FNL & 790' FEL, SECTION 27, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO

The geologic name of the surface formation is the Tertiary Nacimiento.

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	1043'	+5190'	
Kirtland	1198'	+5035'	
Fruitland	1728'	+4505'	
Pictured Cliffs	1998'	+4235'	
Chacra (if present)	3198'	+3035'	
Mesaverde	[Cliff House	3563'	+2670'
	[Point Lookout	4193'	+2035'
Gallup	5628'	+ 605'	
Dakota	6450'	- 217'	
TD	6710'	- 477'	

Estimated KB elevation: 6233'

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:

Induction-SP-GR
 Formation Density-Compensate Neutron-GR

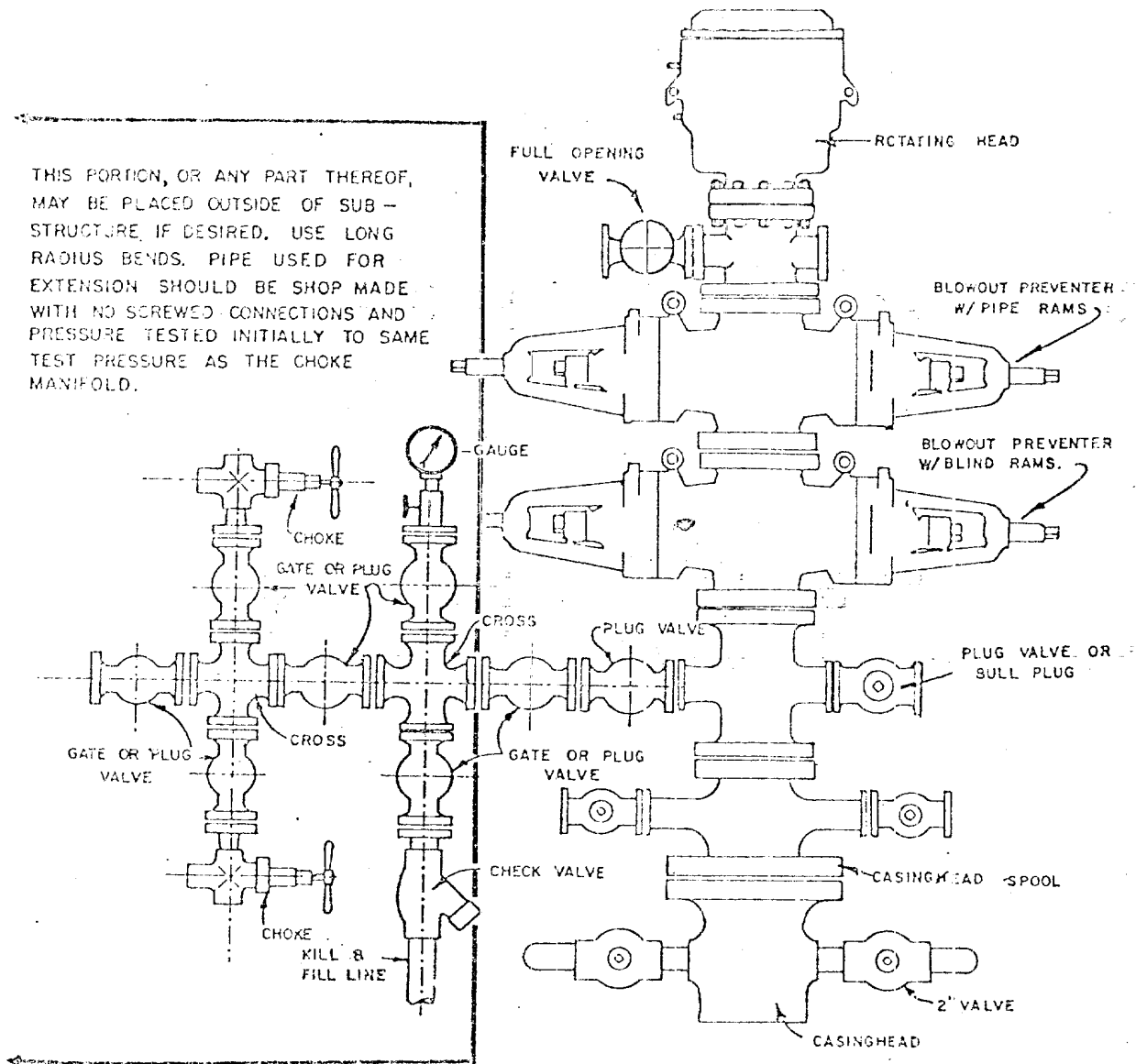
Completion design will be based on these logs. No cores or drill stem tests will be taken.

Operations will commence when permitted and last approximately 3 weeks.

Amco'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.

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. Onsco 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.

MULTI-POINT SURFACE USE PLAN

JACK FROST "B" NO. 2E
1630' FNL & 790' FEL, SECTION 27, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO

1. The attached topographic map shows the proposed route to the location.
2. It will not be necessary to build any access road.
3. Existing oil and gas wells within a one-mile radius of our proposed well have been spotted on the lease road map.
4. There is a 380-barrel tank and facilities located at Jack Frost "B" Well No. 2, approximately one-half mile west.
5. Water will be hauled from Kutz Wash Water Hole.
6. No construction materials will be hauled in for this location.
7. A 125' by 125' pit will be built on location to hold all drilling waste. Upon completion of the well, pit will be fenced and waste and liquids left to dry, then pit will be filled and leveled. If any liquids remain, they will be hauled away prior to back filling.
8. There are neither airstrips nor camps in the vicinity.
9. The well site layout, reserve, burn and trash pits are shown on the attached Drill Site Specification Sheet. A 3-foot cut will be made on southeast side.
10. Restoration of the surface will be accomplished by cleaning up and leveling upon completion of the well. Reseeding of the site will be carried out as instructed by the Bureau of Land Management.
11. The general topography is a flat area, on edge of wash, with sandy loam soil. Vegetation consists of native grasses, sage and juniper trees.

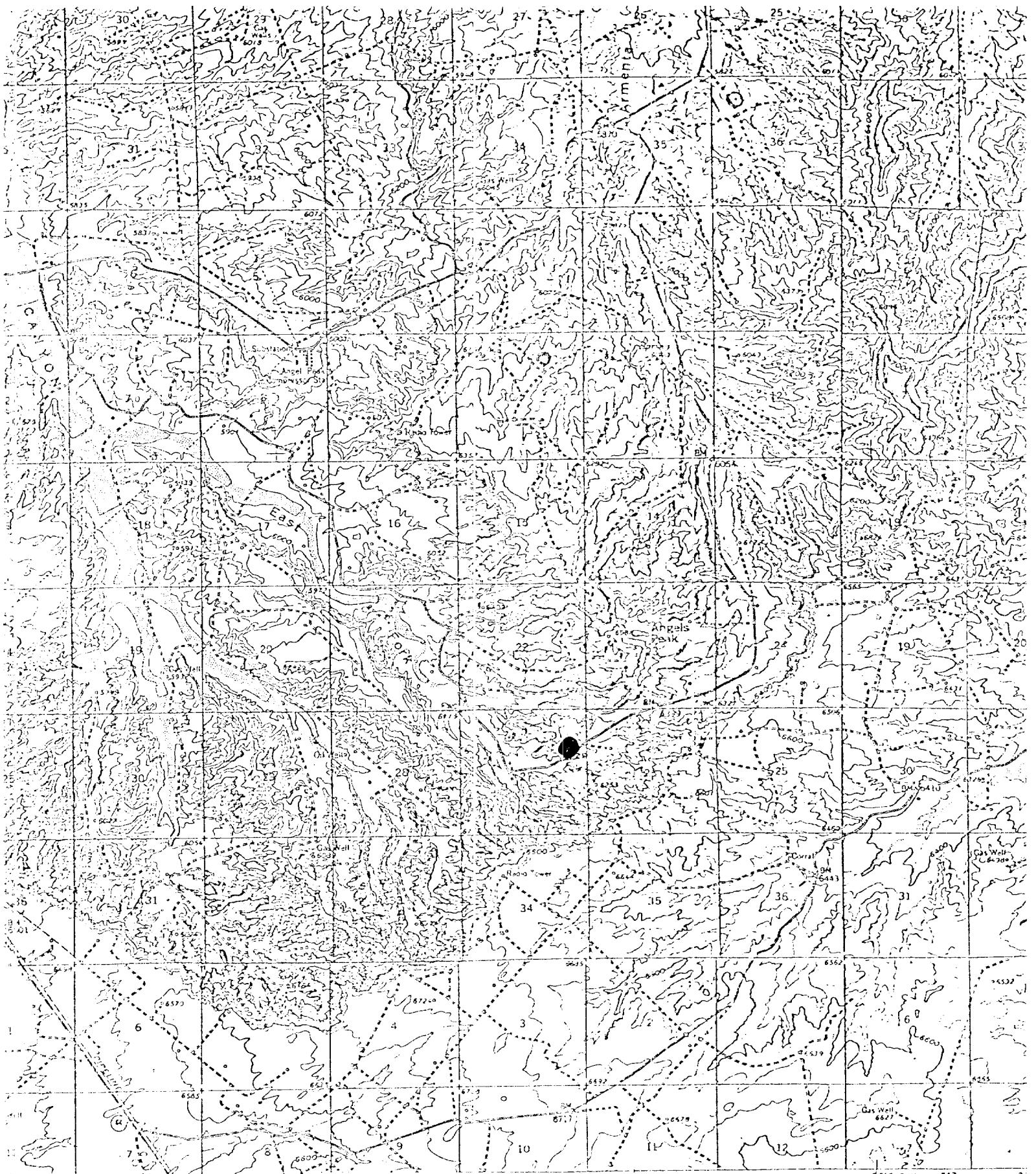
Representatives of the U. S. Geological Survey's Farmington Office and the Bureau of Land Management inspected the site with Amoco personnel. Cultural resources inspection was conducted by an archaeologist from Salmon Ruins.

12. Operator's Representative: R. W. Schroeder
Phone: Office: 505-325-8841; Home: 505-325-6164
Address: 501 Airport Drive, Farmington, NM 87401

Certification: I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date April 17, 1980

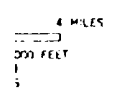
R. W. Schroeder
R. W. Schroeder, District Superintendent



RANGE TRADING POST N.M. CURBA TR. N.M. R. 10 W. 53 T. 23

50° R 9 W 247 2

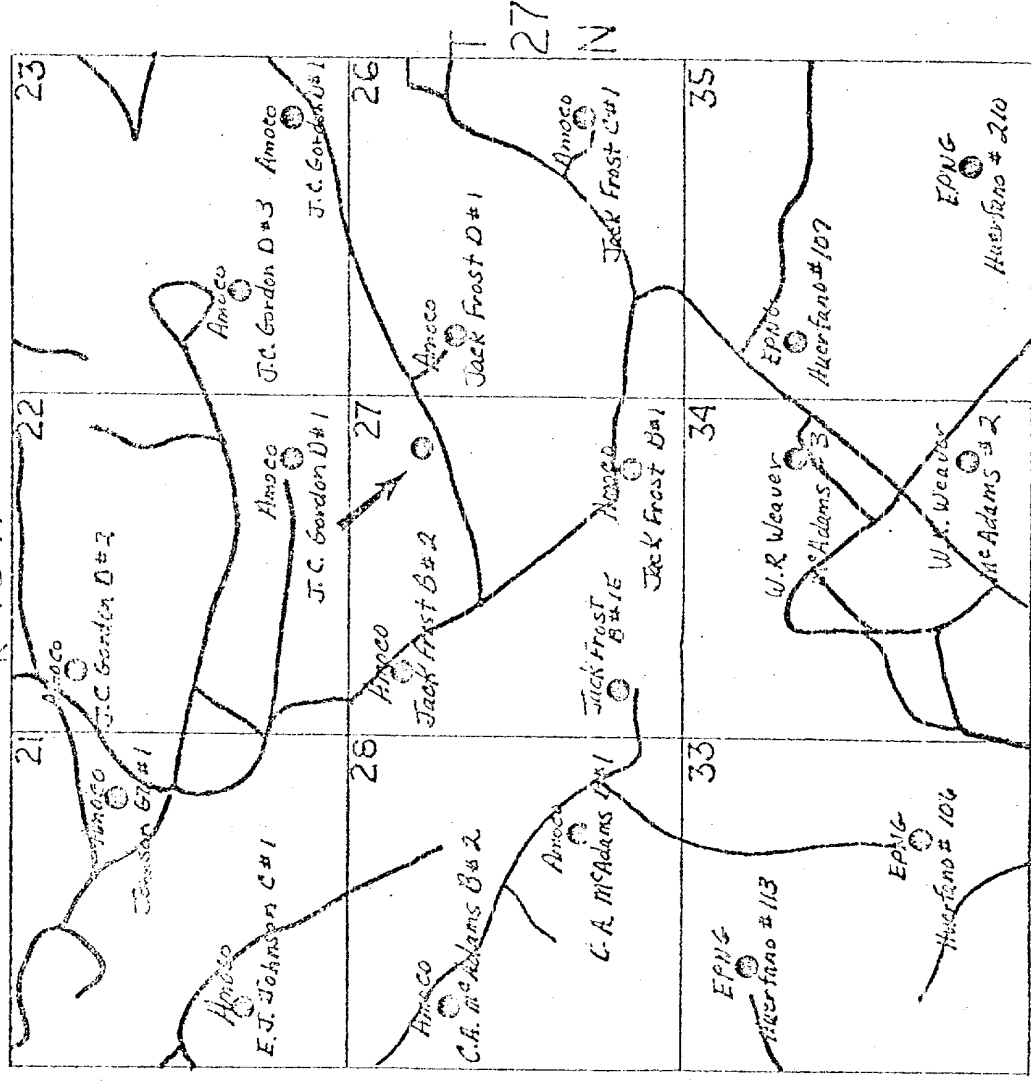
Vicinity Map for
 AMOCO PRODUCTION CO. #2-E JACK FROST "B"
 1630'FNL 790'FEL Sec 27-T27N-R10W
 SAN JUAN COUNTY, NEW MEXICO
 CONTOUR INTERVAL 40 FEET
 DATUM IS MEAN SEA LEVEL



U.S. GEOLOGICAL SURVEY
 WASHINGTON, D.C.

WELL OWNERSHIP MAP

R 10 W

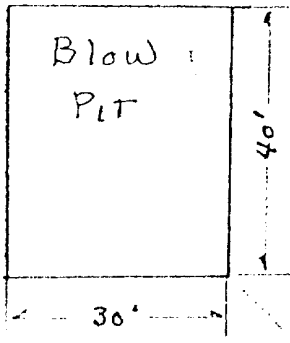


EXISTING DAKOTA WELLS

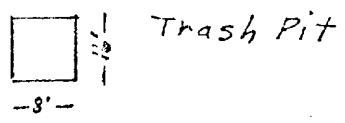
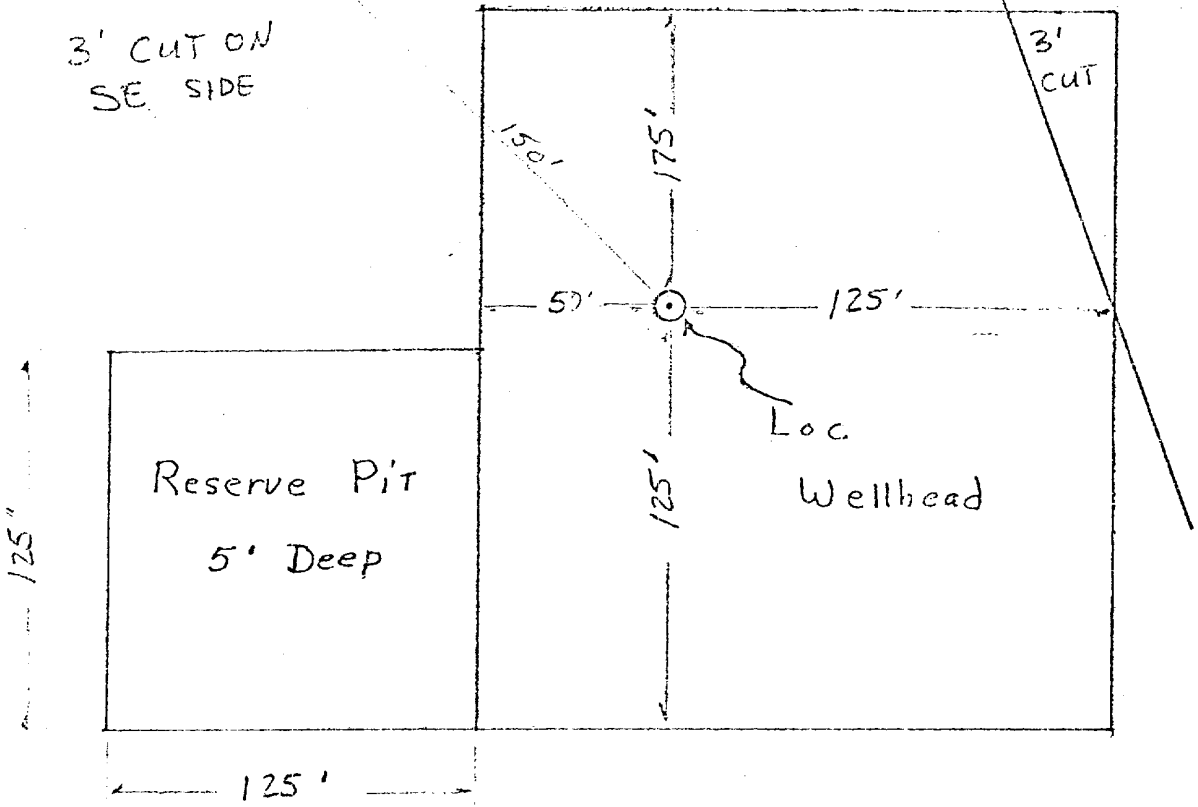


PROPOSED WELL LOCATION





3' CUT ON SE SIDE



Approximately 1.2 Acres

Amoco Production Company		SCALE: <i>NONE</i>
Drilling Location Specs JACK FROST "B" No. 2E		DRG. NO.

