

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

TEXACO Inc.

Attention: G. L. Eaton

3. ADDRESS OF OPERATOR

P. O. Box 2100, Denver, Colorado 80201

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

At surface

SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23

At proposed prod. zone

1700' FNL & 1050' FWL, Sec. 23

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

Seven miles east of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1050'

16. NO. OF ACRES IN LEASE

320.640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

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

1800'

19. PROPOSED DEPTH

6340'

20. ROTARY OR CABLE TOOLS

Rotary

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

5657' GR

22. APPROX. DATE WORK WILL START*

October 1, 1980

23. 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"	24#	500'	Circulate to surface.
7-7/8"	4-1/2"	10.5#	6340'	Cement to surface.*

* DV Tool will be set below Mesaverde and cement to surface.

Propose to drill this infill well to gain optimum gas production from the Dakota formation. Samples will be taken at 30' intervals from surface to TD. No cores or DST's are planned. Logs will be run from surface casing to TD. Prospective zones will be perforated and acidized. Blowout preventer equipment will be as indicated on the attached exhibit, and will be tested at regular intervals. Necessary steps will be taken to protect the environment. Any gas produced during the conduct of the above described work will be flared.

ESTIMATED FORMATION TOPS

Kirtland	500'	Mesaverde Cliffhouse	3225'
Fruitland	1330'	Mancos	4440'
Pictured Cliffs	1690'	Graneros	6110'
Chacra	2675'	Dakota	6155'

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.

SIGNED

TITLE

District Superintendent

DATE

Aug. 15, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

USGS (3) OGCC (2) GLE ARM (2)
Farmington Aztec

*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-4-65

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

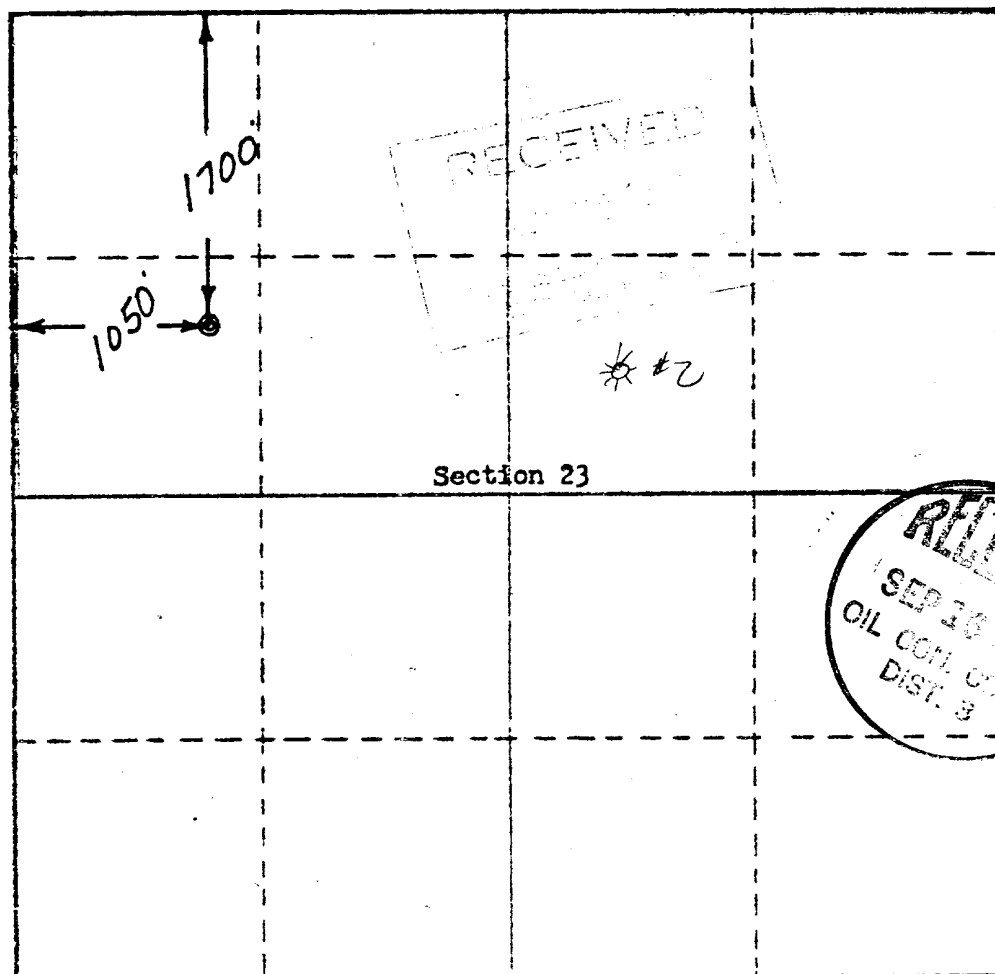
Operator Texaco Inc.			Lease H. Loe - Federal "B"		Well No. 2NE
Unit Letter E	Section 23	Township 29 North	Range 12 West	County San Juan	
Actual Footage Location of Wells <div style="display: flex; justify-content: space-between;"> 1700 feet from the North line and 1050 feet from the West line </div>					
Ground Level Elev. 5657	Producing Formation Dakota	Pool San Juan Basin	Dedicated Acreage: 321.20 160 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 _____

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.



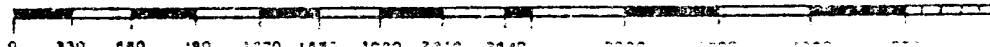
CERTIFICATION

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

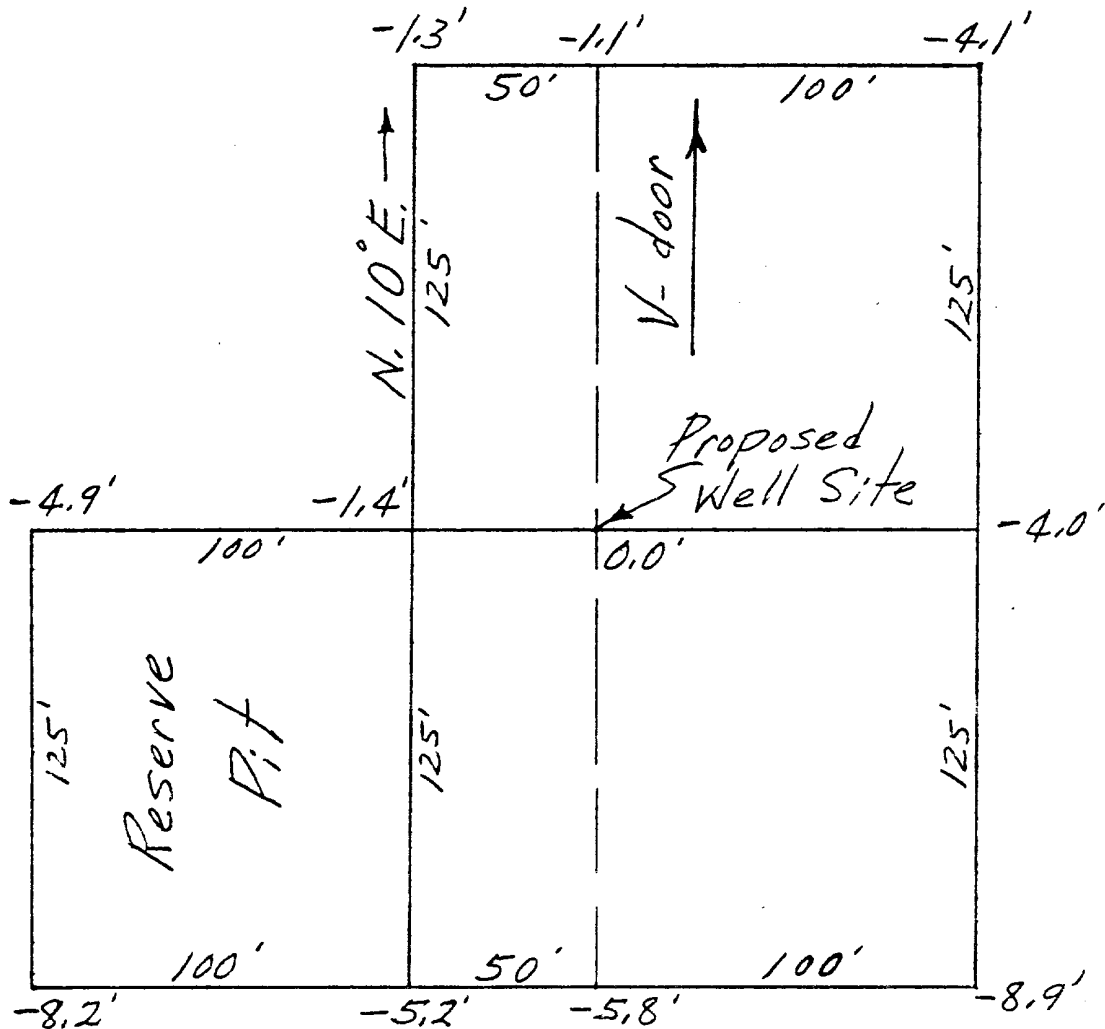
Name
G. L. Eaton
Position
District Superintendent
Company
TEXACO Inc.
Date
AUG 26 1980

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
June 12, 1980
Registered Professional Engineer and
3084
Certified
STATE OF NEW MEXICO



Texaco Inc.
H. J. Loe "B" Federal Well No. 2-A
1700' FNL & 1050' FWL, SEC. 23, T29N-R12W
San Juan County, New Mexico



Certified Correct
E. L. Potter
P.E. & L.S.
REGISTERED
N.M. No. 3084

3084
STATE ENGINEER & LAND SURVEYOR
FARMINGTON, NEW MEXICO
JUNE 11, 1988



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
WEST UNITED STATES
DENVER DIVISION

August 15, 1980

TEXACO INC.
P. O. BOX 2100
DENVER, COLORADO 80201

TEXACO H. LOE - FEDERAL "B"
WELL NO. 2A
SW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23 T29N-R12W
SAN JUAN COUNTY, NEW MEXICO
6.34

U. S. Geological Survey
District Engineer
P. O. Box 959
Farmington, New Mexico 87401

Gentlemen:

The following information is provided for the drilling of H. Loe - Federal "B" well No. 2A, San Juan County, New Mexico.

1. Surface Casing: 500' of 8-5/8" OD 24# K-55 ST&C new casing.
2. Casingheads: 8-5/8" slip-on x 10" Series 600, 2000 psi pressure.
3. Production Casing: 6340' of 4-1/2" OD 10.5# K-55 ST&C new casing.
4. Blowout Preventer: 10" series 900 with blind and pipe rams.
See attached drawing.
5. Auxiliary Equipment:
(a) Kelly cock will be used at all times and checked daily.
(b) Safety sub with full opening valve for drill pipe on floor.
6. Anticipated Bottom Hole Pressure: 2300 psi.
7. Drilling Fluid: Water based mud.

Very truly yours,

G. L. Eaton
District Superintendent

This is recycled paper

RDB:rb

Minimum equipment requirements are:

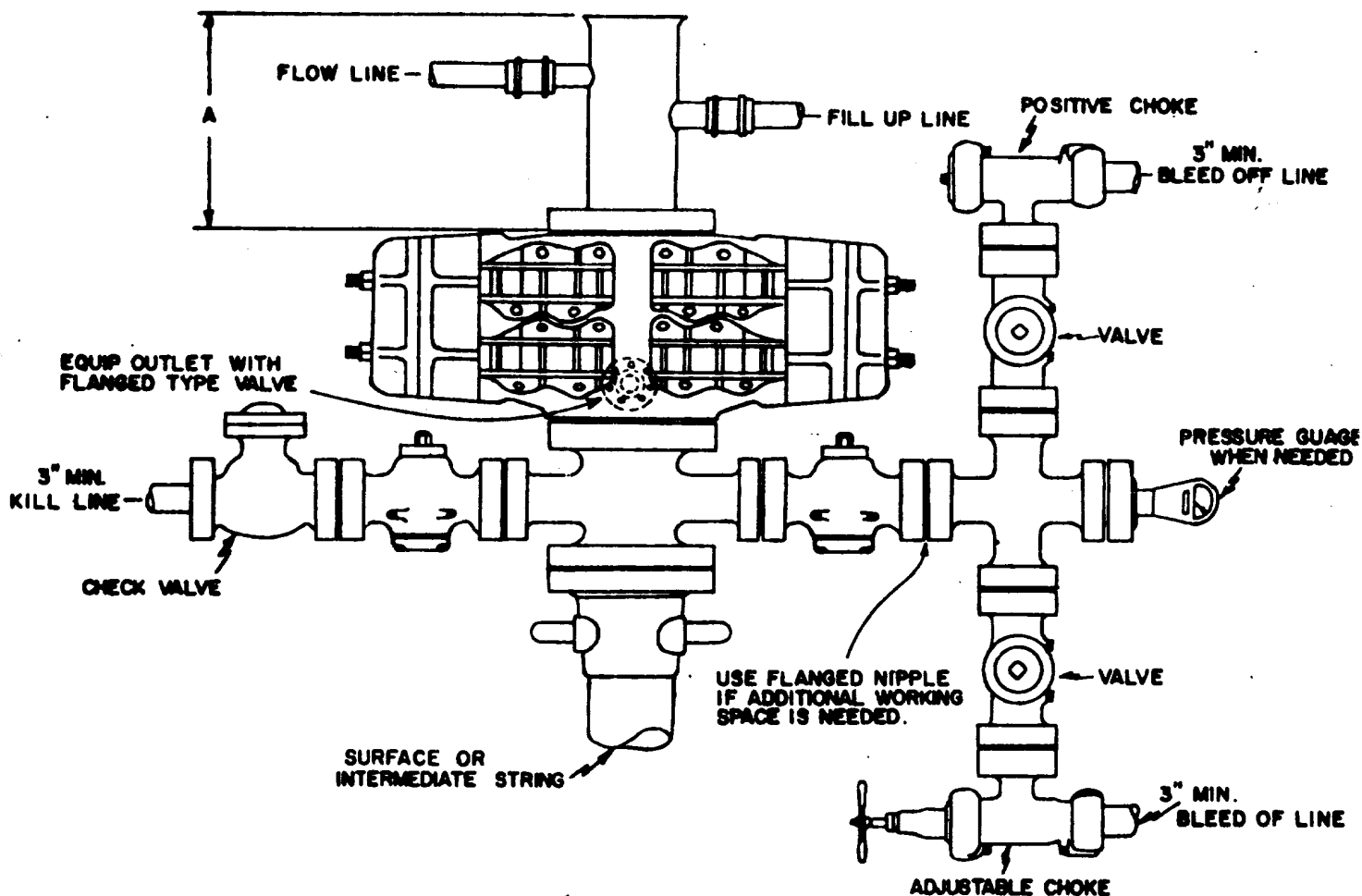
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas.

3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.

4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.

5. Kelly cock must be used at all times and should be checked daily.



NOTE: BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS; ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS. ALWAYS PLACE THE BLIND RAMS IN THE TOP PREVENTER.

APPROVED
[Signature]
[Signature]

H. LOE - FEDERAL "B" WELL NO. 2A
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ SECTION 23 T29N-R12W
 SAN JUAN COUNTY, NEW MEXICO

TEXACO INC DENVER, COLORADO	
BLOWOUT PREVENTER ASSEMBLY STANDARD NO.2	
DRAWN BY M.S.D.	CHECKED BY F.B.Z.
DATE 11-8-58	FILE 448000
REVISED	SERIAL X-148-2



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
WEST UNITED STATES
DENVER DIVISION

August 15, 1980

TEXACO INC.
P. O. BOX 2100
DENVER, COLORADO 80201

TEXACO H. LOE - FEDERAL "B"
WELL NO. 2A
SW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23 T29N-R12W
SAN JUAN COUNTY, NEW MEXICO
6.34

U. S. Geological Survey
District Oil & Gas Supervisor
P. O. Box 959
Farmington, New Mexico 87401

Gentlemen:

As requested by your office, the following Surface Use Development Plan is provided for Texaco H. Loe - Federal "B" Well No. 2A, San Juan County, New Mexico:

1. Existing roads and exit to the location are shown on the attached plats.
2. Approximately 300' of new access road will be required. The new road would run northwest from the location to an existing road. No cuts, cattleguards, or culverts will be required.
3. Offset wells to the proposed well are shown on the attached plats.
4. Flowline will be run to a separator on location.
5. Water for drilling operations will be trucked from an irrigation ditch a distance of approximately 3 miles from the location.
6. No additional construction material will be required.
7. All waste material will be contained by earthen and steel pits. Earthen pits will be subsequently backfilled and buried. A portable chemical toilet will be furnished for drilling personnel.

This is recycled paper

August 15, 1980

8. No separate drill campsites are proposed.
9. The drill site location will be graded and will be approximately 250' x 250' with natural drainage to the south. proper grading will be used to control erosion and the drilling pad surface will be compacted soil. No cuts or fills will be required.
10. All surfaces not used in normal well servicing and maintenance will be cleaned and graded.
11. The surface of the well location is slightly sloping, sandy clay soil with cobble stones and sparsely covered with grass and shrubs.
12. Texaco's representative:
Mr. G. L. Eaton
District Superintendent
Texaco Inc.
P. O. Box 2100
Denver, Colorado 80201
Phone: (303) 861-4220

13. Certification:

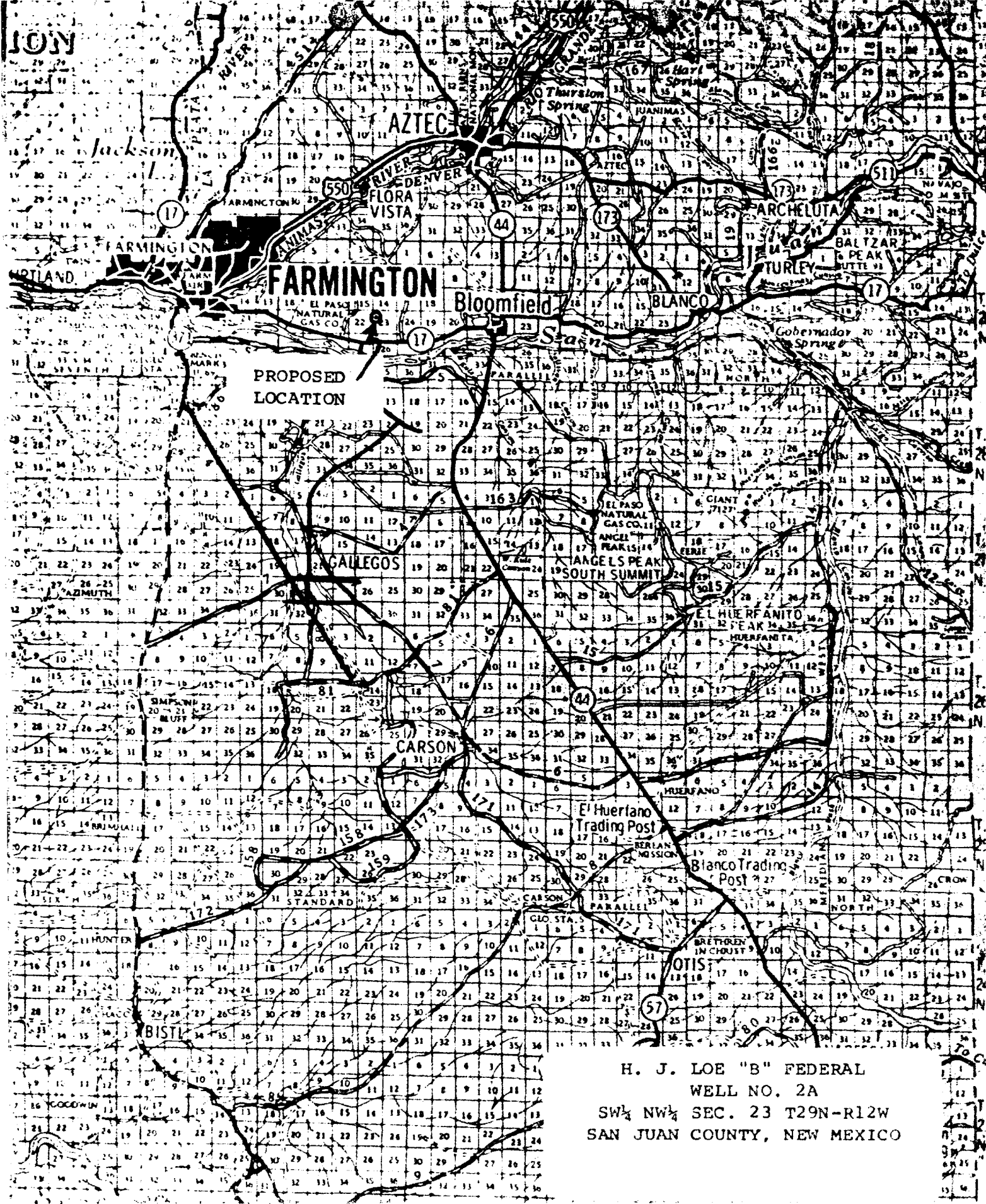
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

Aug 16, 1980
Date

G. L. Eaton
District Superintendent

RDB:rb
Attach.

cc: OGCC (2)



H. J. LOE "B" FEDERAL
WELL NO. 2A
SW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23 T29N-R12W
SAN JUAN COUNTY, NEW MEXICO

H. J. LOE "B" FEDERAL LEASE
WELL NO. 2A AND WELL NO. 3A
SECTION 23, T29N-R12W
SAN JUAN COUNTY, NEW MEXICO

R 12

