

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 $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 23

At proposed prod. zone

1100' FSL &amp; 2000' FEL, 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 drig. unit line, if any)

1100'

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

2200'

## 16. NO. OF ACRES IN LEASE

320.640

## 19. PROPOSED DEPTH

6260'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

5/319.06 160

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5583' GR

## 22. APPROX. DATE WORK WILL START\*

October 15, 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#	450'	Circulate to surface.
7-7/8"	4-1/2"	10.5#	6260'	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	420'	Mesaverde Cliffhouse
Fruitland	1250'	Mancos
Pictured Cliffs	1610'	Graneros
Chacra	2595'	Dakota

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. 26, 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

30-045-24555  
5. LEASE DESIGNATION AND SERIAL NO.

NM-014378

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME TEXACO

H. Loe - Federal "B"

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 23 T29N-R12W

12. COUNTY OR PARISH 13. STATE

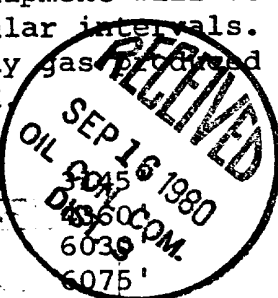
San Juan New Mexico

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START\*

October 15, 1980



MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

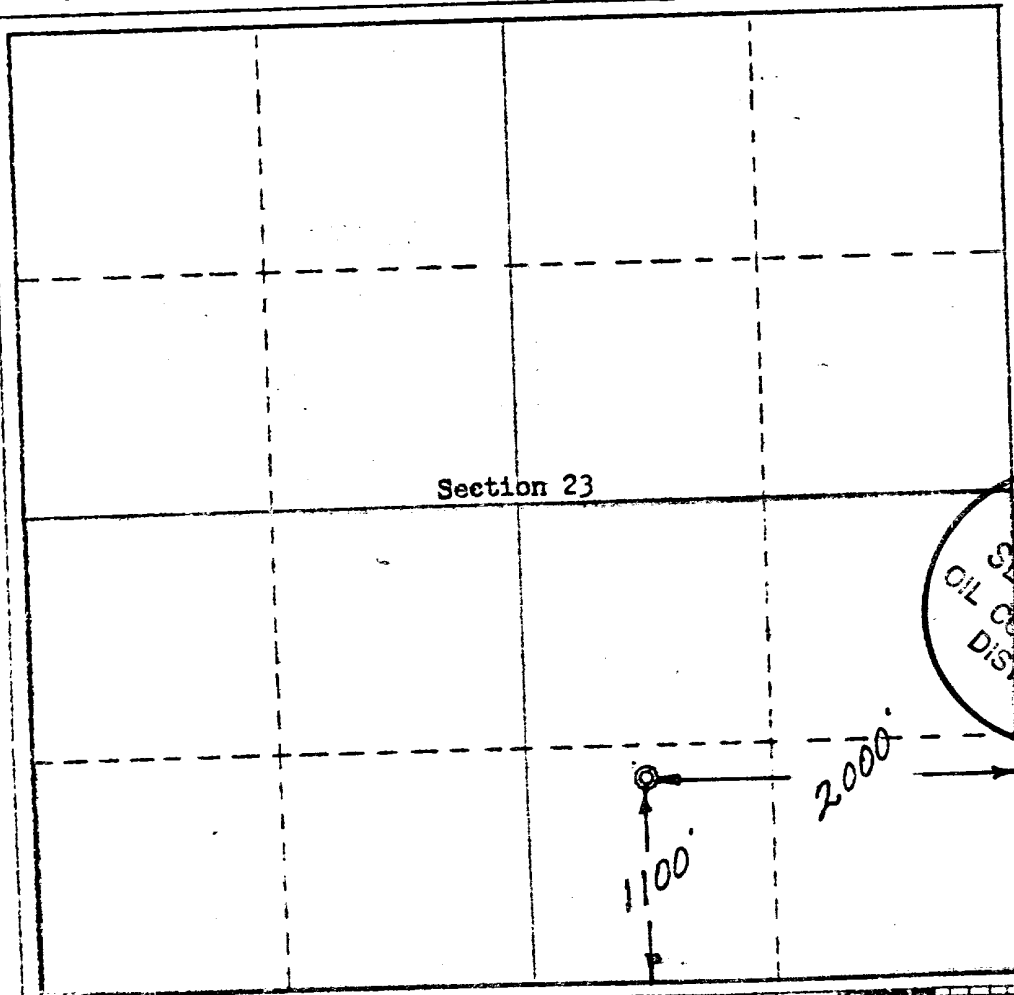
Section		Township		Range		County		Well No.
23		29 North		12 West		San Juan		35
Actual Footage Location of Well: 1100 feet from the South line and 2000 feet from the East line Ground Level Elev. 5583 Producing Formation Dakota Pool San Juan Basin Dedicated Acreage: 319.06160 Acres								

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 communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



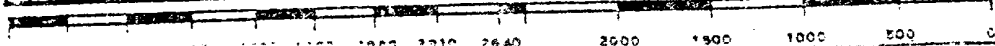
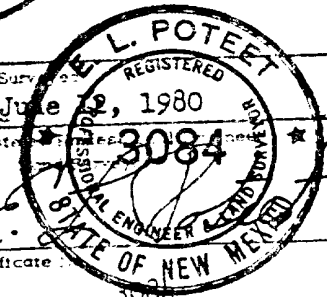
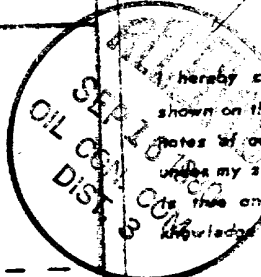
CERTIFICATION

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, 1950

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, 1950  
Registered Professional Engineer  
No. 3084  
State of New Mexico  
Certificate

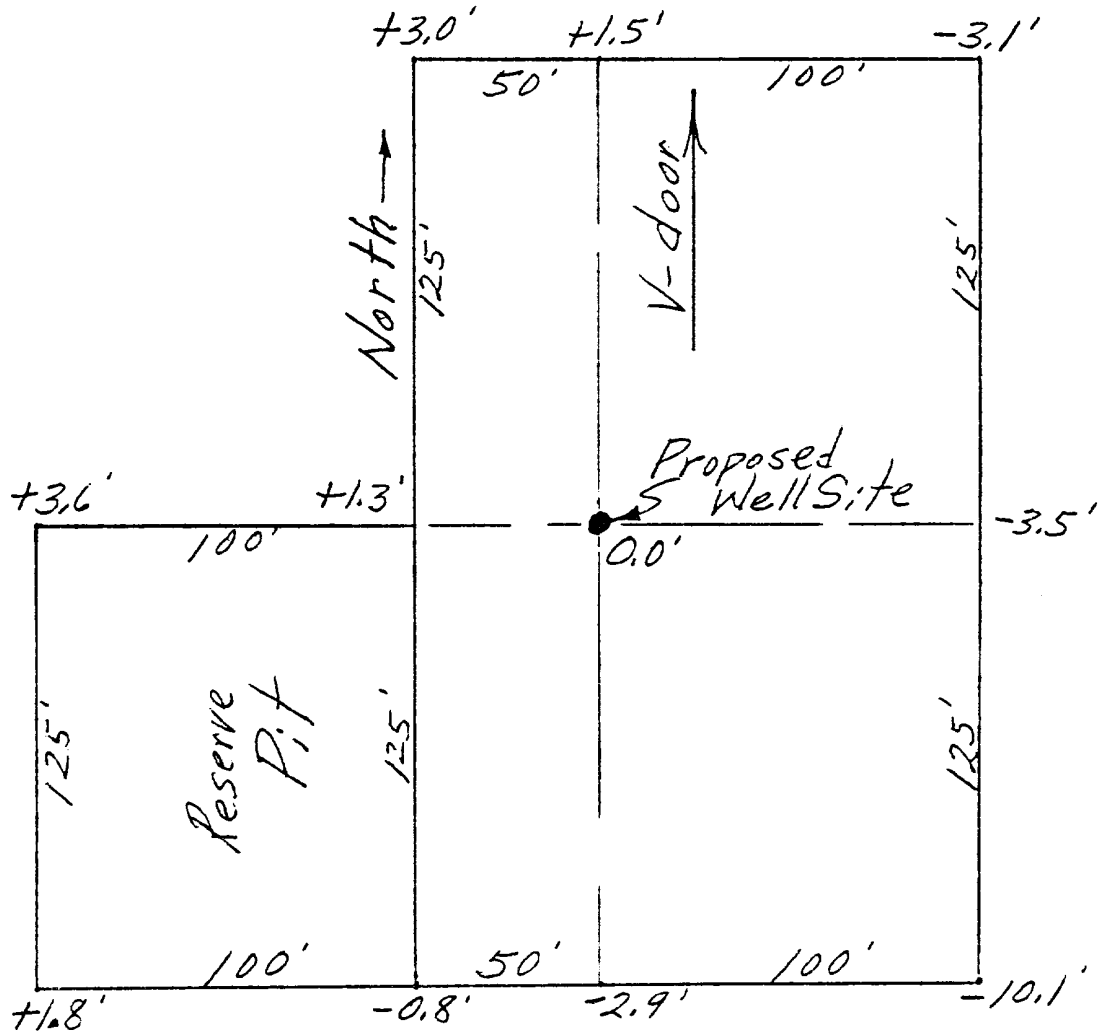


Texaco Inc.

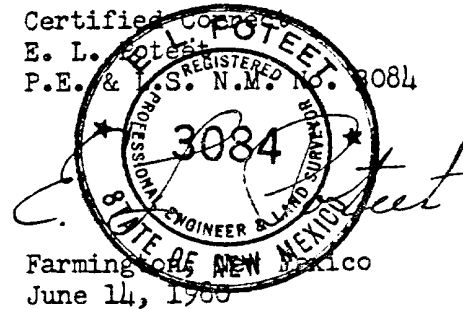
H. J. Loe "B" Federal Well No. 3-A

1100' FSL & 2000' FEL, Sec. 23, T29N-R12W

San Juan County, New Mexico



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



Farming, New Mexico  
June 14, 1968



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT  
WEST UNITED STATES  
DENVER DIVISION

August 26, 1980

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

TEXACO H. LOE - FEDERAL "B"  
WELL NO. 3A  
SW $\frac{1}{4}$  SE $\frac{1}{4}$  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

The following information is provided for the drilling of Texaco  
H. Loe - Federal "B" well No. 3A, San Juan County, New Mexico.

1. SURFACE CASING: 450' 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 rating.
3. PRODUCTION CASING: 6260' 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,

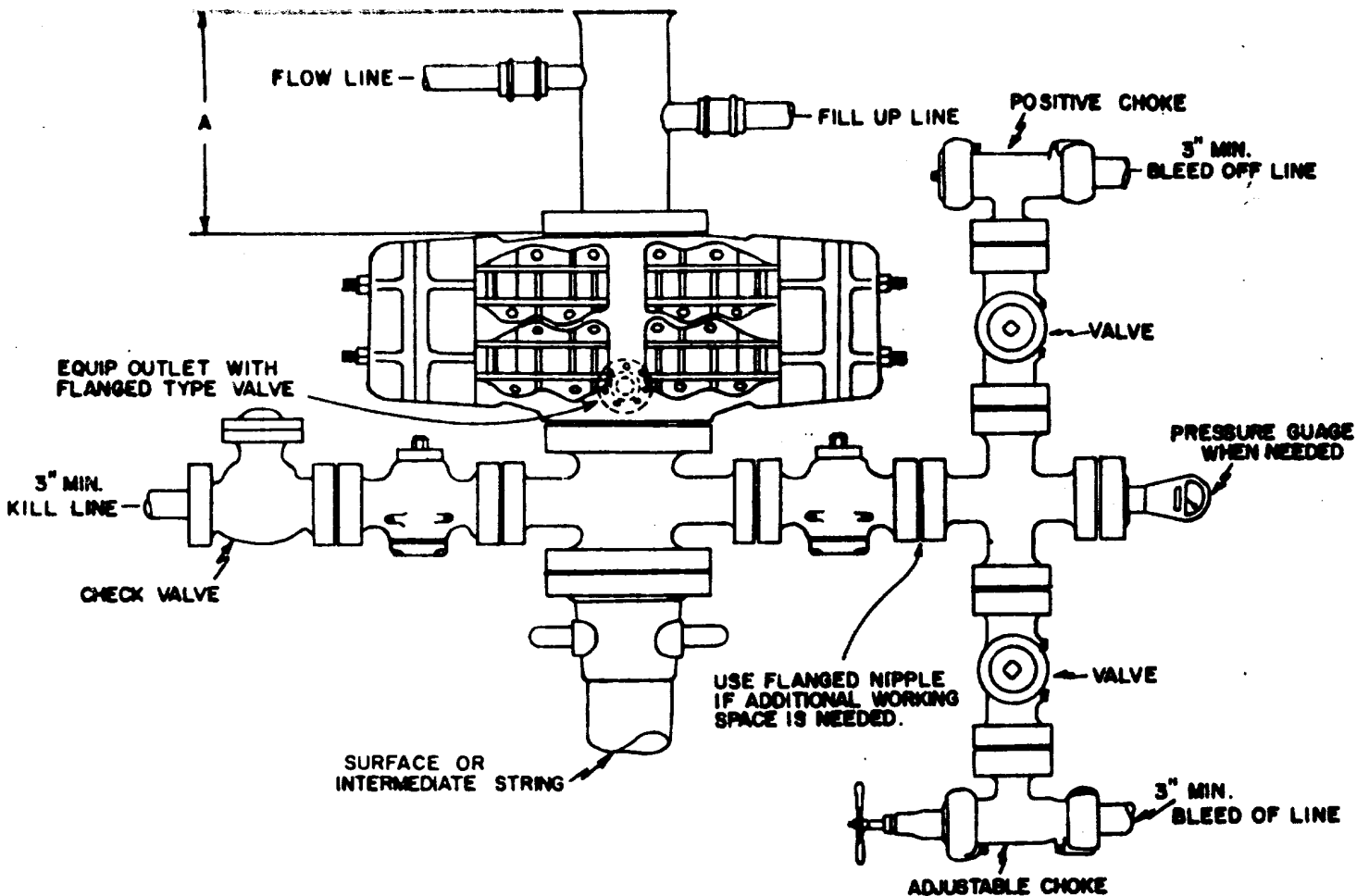
G. L. Eaton  
District Superintendent

RDB:rb  
Attach.

*This is recycled paper*

**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. 3A  
 SW $\frac{1}{4}$  SE $\frac{1}{4}$  SECTION 23 T29N-R12W  
 SAN JUAN COUNTY, NEW MEXICO

<b>TEXACO INC</b> DENVER, COLORADO	
<b>BLOWOUT PREVENTER ASSEMBLY STANDARD NO. 2</b>	
DRAWN BY M.B.D.	CHECKED BY F.B.Z.
DATE 11-8-58	FILE 448000
REVISED	SERIAL X-108-2



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT  
WEST UNITED STATES  
DENVER DIVISION

August 26, 1980

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

TEXACO H. LOE - FEDERAL "B"  
WELL NO. 3A  
SW $\frac{1}{4}$  SE $\frac{1}{4}$  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

The following Surface Use Development Plan is provided for Texaco  
H. Loe - Federal "B" Well No. 3A, San Juan County, New Mexico.

1. Existing roads and exit to the location are shown on the attached plats.
2. Approximately 900' of new access road will be required. The new road will 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 one and one/half 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 26, 1980

8. No separate drill campsites are proposed.
9. The drill site location will be graded and will be 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 river boulders and sparsely covered with grass and cedar trees.
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:

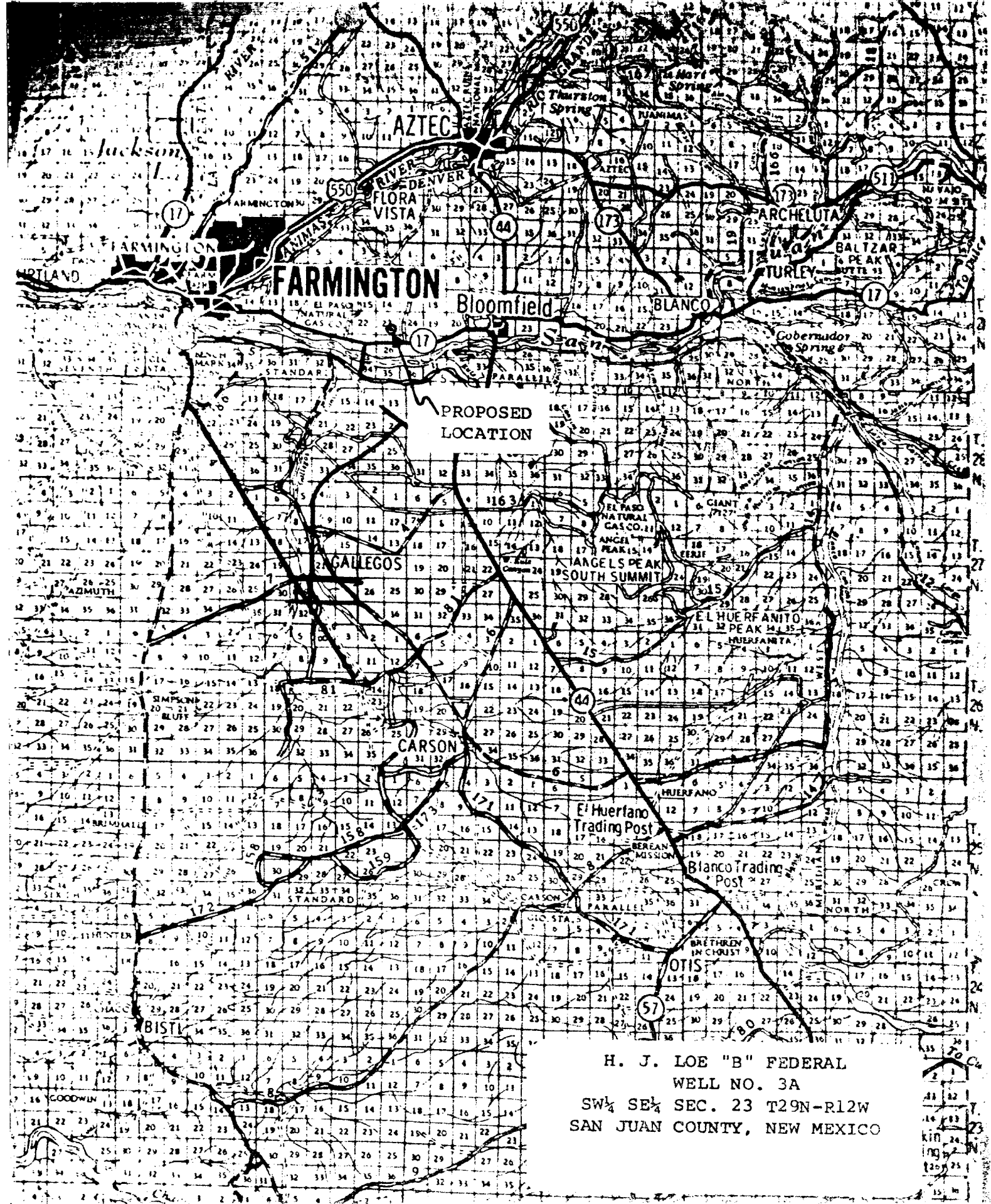
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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. 26, 1980  
Date

G. L. Eaton  
District Superintendent

RDB:rb  
Attach.

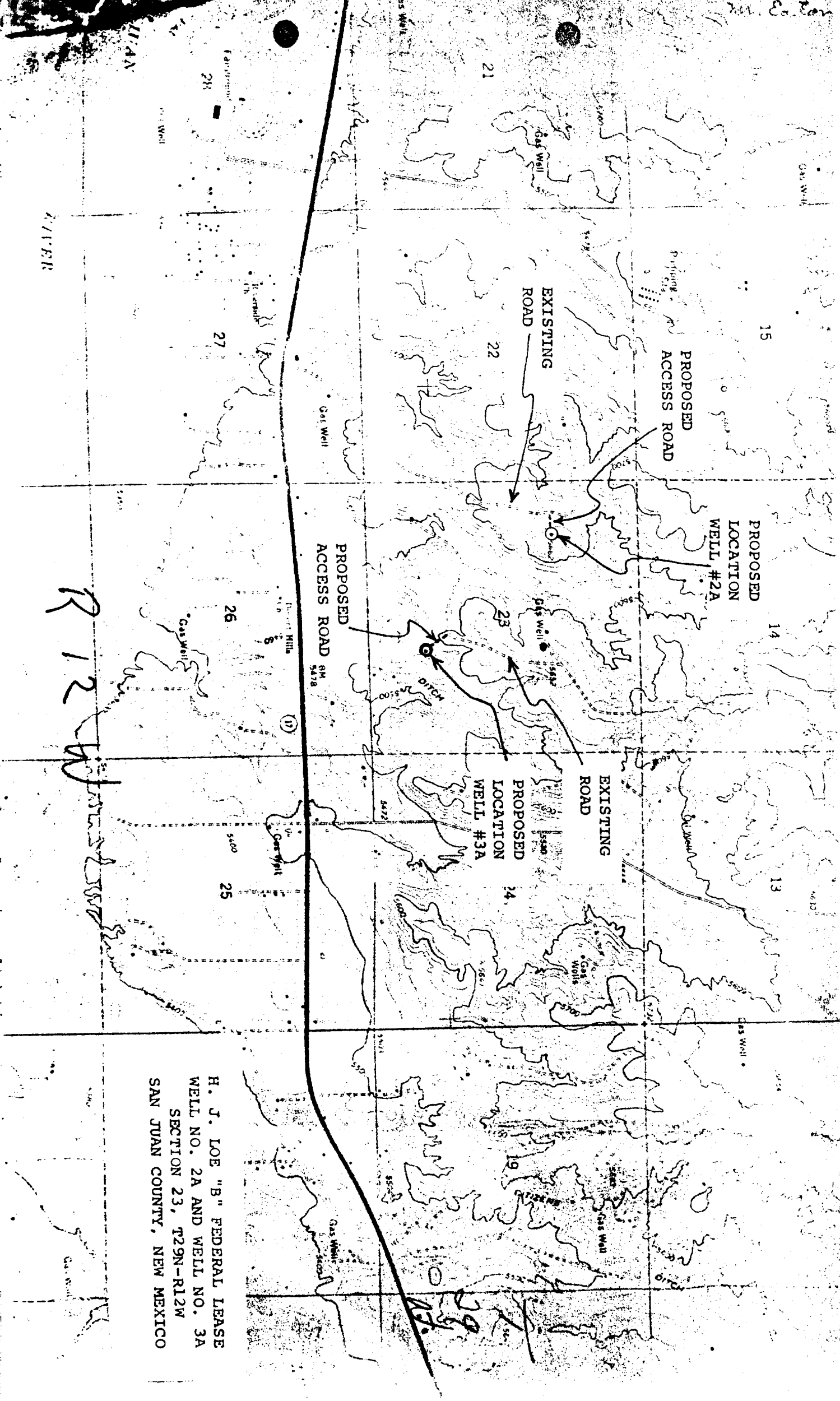
cc: OGCC(2)



H. J. LOE "B" FEDERAL  
WELL NO. 3A  
SW $\frac{1}{4}$  SE $\frac{1}{4}$  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



PROPOSED  
ACCESS ROAD

PROPOSED  
LOCATION  
WELL #2A

EXISTING  
ROAD

PROPOSED  
ACCESS ROAD

PROPOSED  
LOCATION  
WELL #3A

EXISTING  
ROAD

R12W