

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21277

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. I-09-IND-58		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo		
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME USC Section 19		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2470' FWL & 630' FWL At proposed prod. zone Same		9. WELL NO. 33		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles southeast of Shiprock, New Mexico		10. FIELD AND POOL, OR WILDCAT Hogback Dakota		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1950'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE 1/4 NW 1/4 Section 19, T-29-N, R-16-W		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 450'		12. COUNTY OR PARISH San Juan 13. STATE New Mexico		
16. NO. OF ACRES IN LEASE 4160		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 joint		
19. PROPOSED DEPTH 660'		20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5001' GL est.		22. APPROX. DATE WORK WILL START* May 1973		
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8"	7"	20#	80'	75 sz
6-1/8"	5-1/2"	14#	660'	100 sz

Amoco proposes to drill this well with rotary tools and run 5-1/2" casing to top of Dakota, drill Dakota pay sand, and complete in open hole.

Copies of Location Plat attached.

Copies of logs will be furnished upon completion, if logged.
Copies of Development Plan attached.

This well in accordance with NMDC Order No. R-1396.

RECEIVED

MAY 14 1973

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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 Original Signed by J. ARNOLD SNELL TITLE Area Engineer DATE May 11, 1973

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Effective 1-1-73

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

AMOCO Production Company			Lease USG Section 19		Well No. 35
Section 6	Section 19	Township 29N	Range 16W	County San Juan	

Type of Well:					
feet from the	North	line and	2470	feet from the	West
Producing Formation	Dakota	Pool	Hogback Dakota	Dedicated Acreage	40

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners 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, force-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

J. Arnold Snell

Position

Area Engineer

Company

AMOCO PRODUCTION COMPANY

Date

May 11, 1973

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

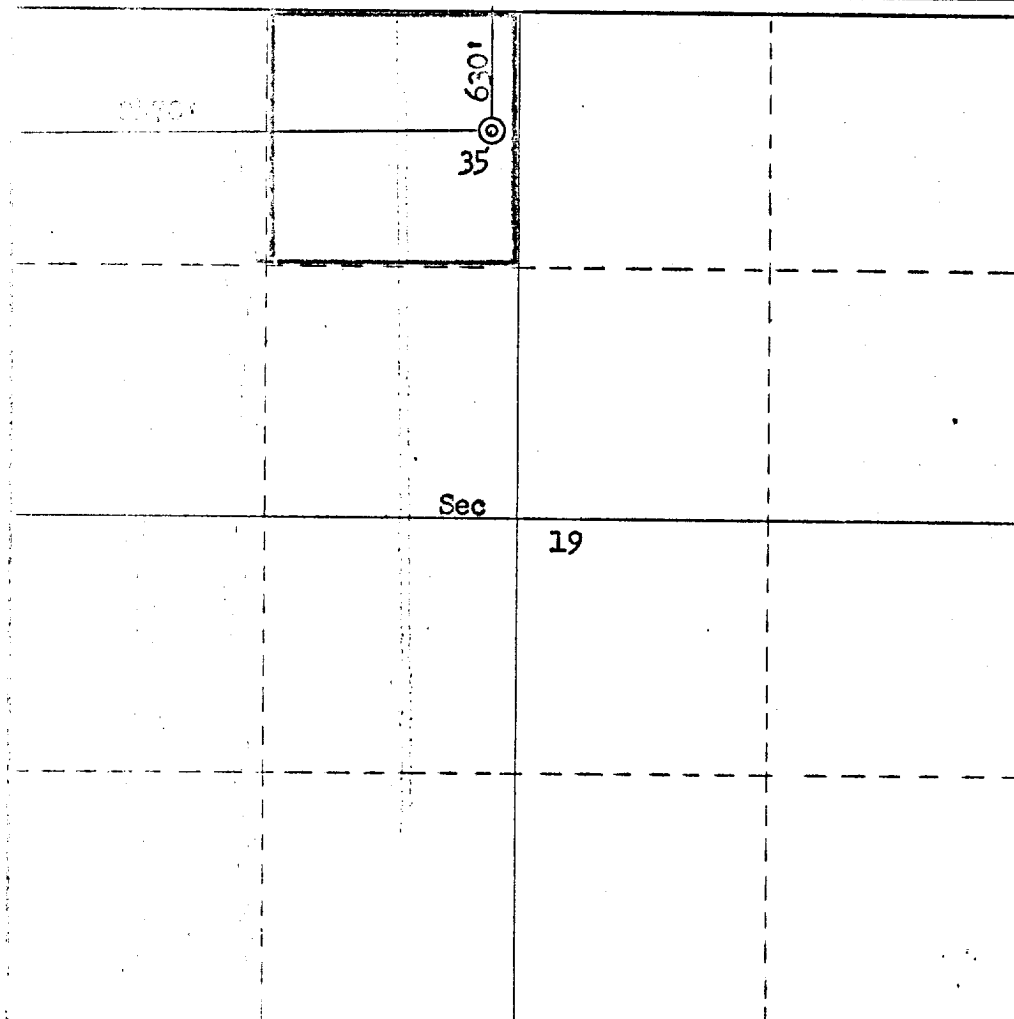
May 8, 1973

Registered Professional Engineer and/or Land Surveyor

Fred B. Korr Jr.
Fred B. Korr Jr.

Certificate No.

3950

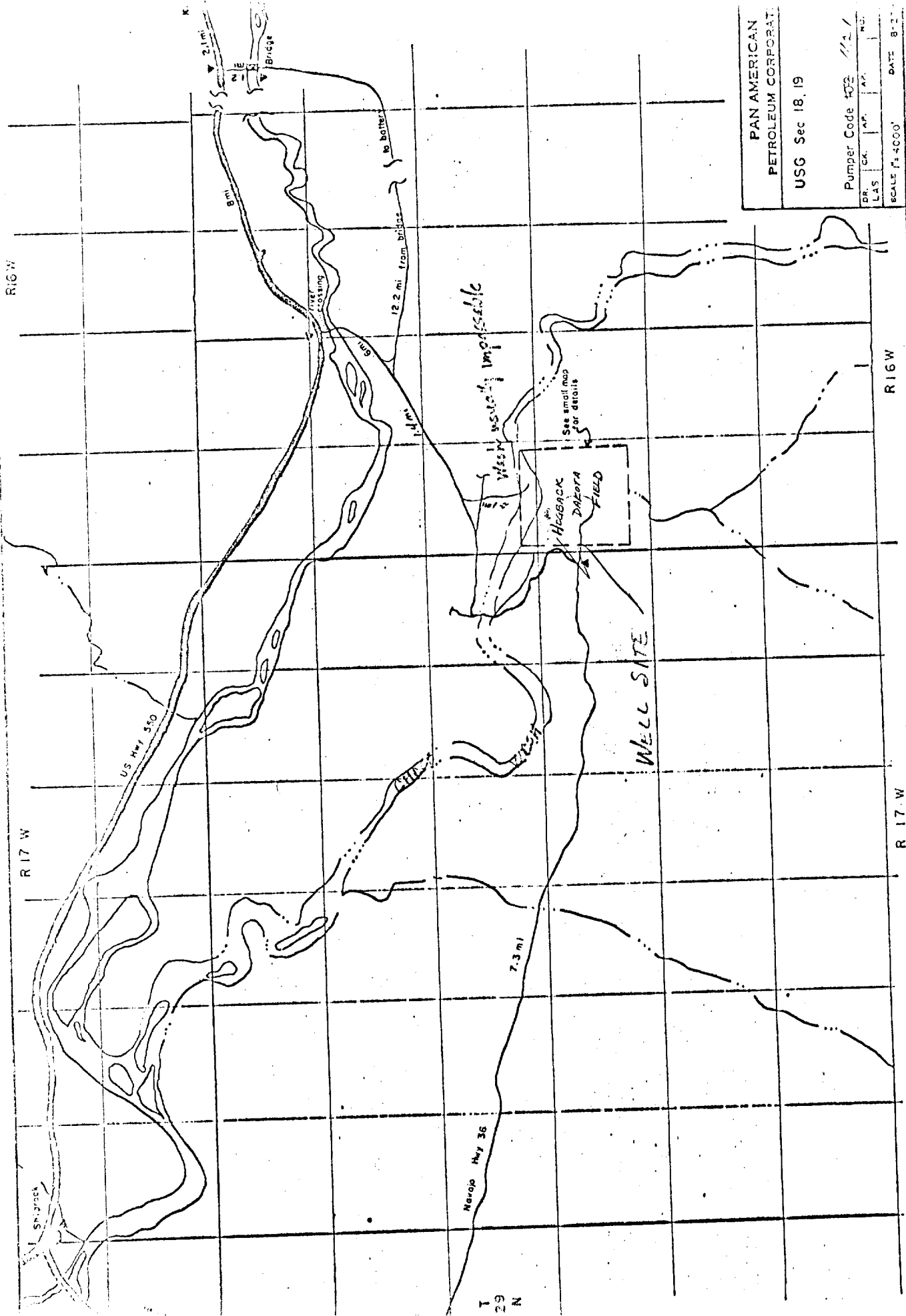


0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

DEVELOPMENT PLAN FOR SURFACE USE

Amoco Production Company proposes to drill the subject well with rotary tools on a graded location as shown on the attachments. The location is a safe distance from two power lines and in accordance with NMOCC Order R-3296. Well established roads exist in the area and only about 300 feet of new road will be constructed. Archeological sites exist in this region and Archeological clearance will be obtained from the proper authority. Clearance for work will also be obtained from Navajo Tribal authorities.

No airstrips or field camps exist nearby. The vegetation in the area is extremely sparse. Water for drilling operations will be supplied by hauling from the San Juan River about three miles away. Upon completion of the well the location will be cleaned up and the reserve pit backfilled.



PAN AMERICAN
PETROLEUM CORPORAT

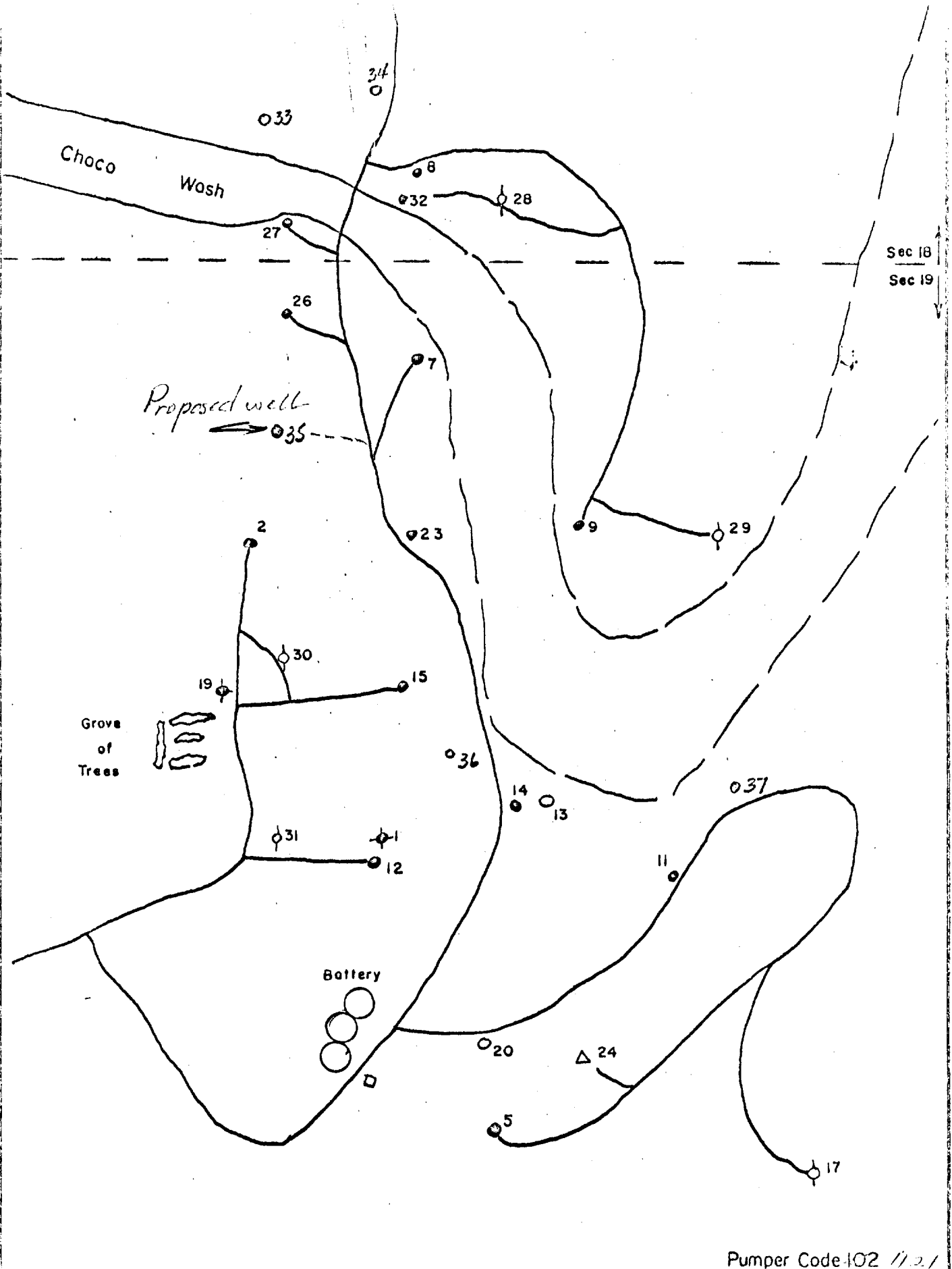
USG Sec 18, 19

Pumper Code 402 112.1

DR.	CA.	AP.	AP.	NO.
LAS				

SCALE 1" = 4000' DATE 8-2

GENERAL LOCATION MAP



Pumper Code 102 // 2/

PAN AMERICAN PETROLEUM CORPORATION

SCALE: 1" = 500'

LEASE ROADS

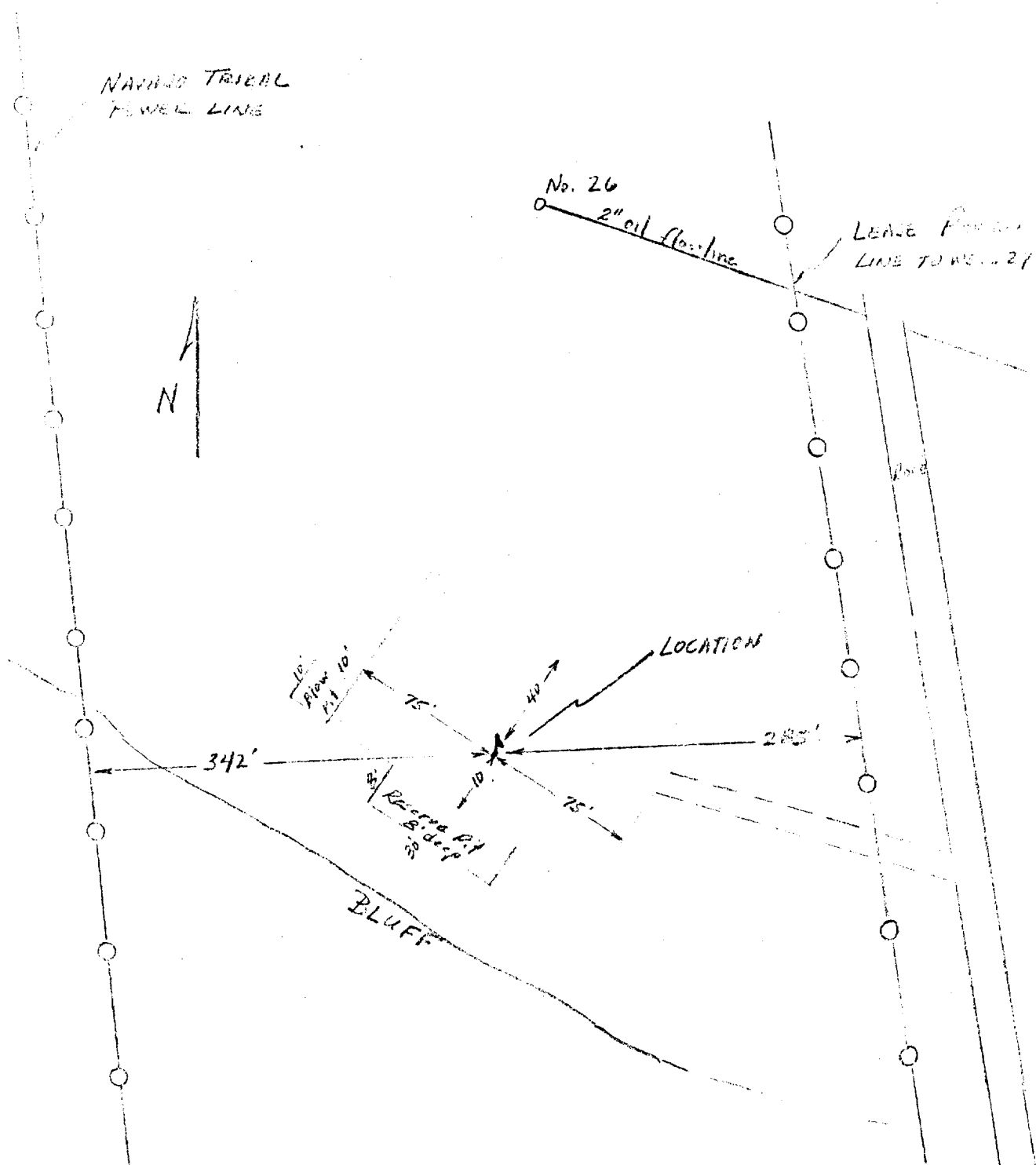
DEKOTA FIELD 400 Sec 18 & 19

T29N R16W

from map by LRC

Map

SECTION 19
 HOOBAC DRAIN FIELD
 LOG - 2470' FWL X 630' FWL, Section 19,
 T-29-N, R-16-W, SAN JUAN Co, N.M.



Amoco Production Company	SCALE:
LOCATED LOCATION SPECIFICATIONS	JH
	DRG. NO.