

MOCC COPY

SUBMIT IN TRIANGLE
(Other instructions on
reverse side)Copy to 27
FORM APPROVED
Budget Bureau No. 42-R1425.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

MAY 19 1978

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

BILL J. GRAHAM

O. C. C.

3. ADDRESS OF OPERATOR

ARTEZIA, OFFICE

P. O. Box 5321, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface1980' FSL & 660 FWL, Sec. 12, T-30-S, R-15-W,
At proposed prod. zone Hidalgo Co., New Mexico
(same)

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

aprox. 13 1/2 miles South of Hatchita, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

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

16. NO. OF ACRES IN LEASE

2,559.7 acres

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 acres

19. PROPOSED DEPTH

2,800'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground Level 4331

22. APPROX. DATE WORK WILL START*

April 20, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	approx. 1200'	Aprox. 300 sacks
8-3/4"	7"	23#	approx. 1700'	" 75 sacks
6-1/4"	4 1/2"	9.5#	approx. 2800'	" 100 sacks

Operator will set 70 feet of Conductor pipe, being 13-3/8" pipe set with cement in a 17" hole.

Will drill with Ingersol Rand T-5 Rig. Will use air as circulating medium. Will use 7" master valve and rotating Head for Blow-out control. Will set 9-5/8" casing at base of Percha Shale. Will set 7" casing at top of El Paso Lime.

RECEIVED

MAR 31 1978

U.S. GEOLOGICAL SURVEY
ARTEZIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and 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

Bill J. Graham

TITLE

owner

DATE 3/30/78

(This space for Federal or State office use)

MAY 18 1978

PERMIT NO.

APPROVAL DATE

APPROVED BY

Lee J. Lara

TITLE

ACTING DISTRICT ENGINEER

DATE

MAY 18 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES AUG 18 1978

*See Instructions On Reverse Side

NEW 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.

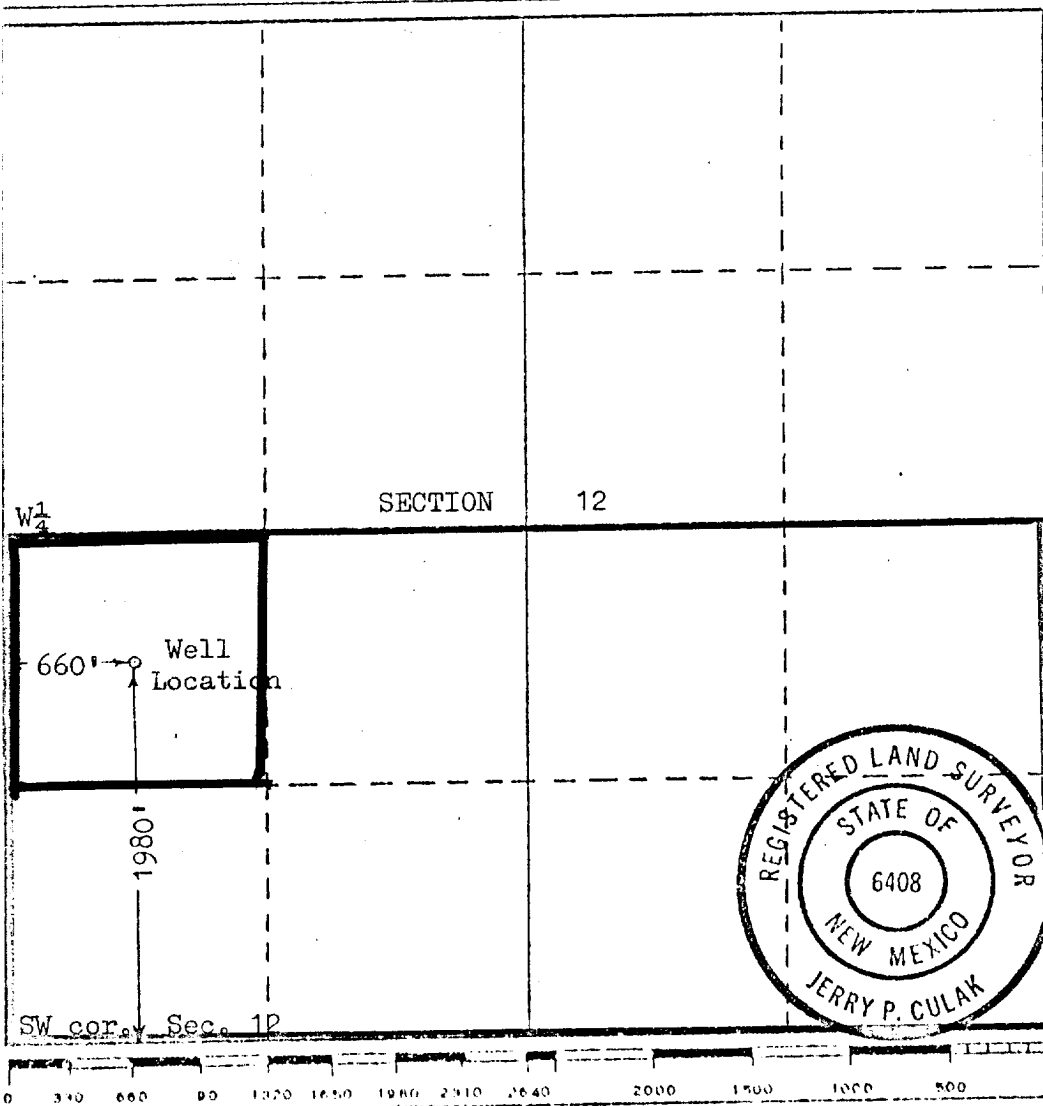
Operator Bill J. Graham		Lease Hatchet-Federal		Well No. 1
Init Letter L	Section 12	Township 30 S.	Range 15 W.	County Hidalgo
Actual Footage Location of Well:				
1980	feet from the South	line and	660	feet from the West line
Ground Level Elev. 4331	Producing Formation	Pool	Dedicated Acreage 40 acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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.

Bill J. Graham
Name

owner
Bill J. Graham
Position
Company

Date 3/30/78

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

March 16, 1978

Registered Professional Engineer
and/or Land Surveyor

Jerry P. Culak
Certificate No.

New Mexico No. 6408

BILL J. GRAHAM
Well No. 1 Lease No. NM 29151
1980' FSL & 660' FWL Sec. 12, T-30-S, R-15-W,
NMPM, Hidalgo Co., New Mexico

Supplement to U.S.G.S. Form 9-331C "Application to Drill", the following additional information is submitted:

1. See Form 9-331C
2. See Form 9-331C
3. The geologic name of the surface formation is: Quaternary (Alluvium)
4. See Form 9-331C
5. See Form 9-331C
6. The estimated tops of important geological markers are:
Fusselman 1400', Montoya 1500' El Paso 1700'.
7. The estimated depths at which anticipated water, oil gas or other mineral bearing formations are expected to be encountered are:

Surface water - - - - - 300' Fresh Water
Fusselman - - - - - -1400' Gas
El Paso - - - - - -2600' oil
8. See Form 9-331C for size, weight and amount of cement, All strings of casing will be used reconditioned-tested.
9. See form 9-331C for amount of cement, will use regular cement on all casing.
10. The following additional information of the pressure controle equipment is as follows:
Size: See form 9-331C
Testing Procedures: Pressure up to 100# PSIG before drilling out 9-5/8" and 7" casing.
Testing Frequency: Upon installation, daily and on all trips.
11. Air will be used as the circulating medium.
12. No. auxiliary equipment will be needed.
13. The testing, logging and coring programs will be:
The well will have continous test while drilling with air, GRN log will be run, no cores.
14. No abnormal pressures or temperatures are expected to be encountered.
15. Starting date will be aprox. 4/20/78, and will be completed approx. 5/20/78.

RECEIVED**MAR 31 1978****U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**SURFACE USE PLAN

Bill J. Graham

Well No. 1 Lease No. NM 29151
1980' FSL & 660' FWL, Sec. 12, T-30-S,
R-15-W, NMPM. Hidalgo Co., New Mexico

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a highway map showing the location of the proposed well as staked. The location is approx. 13½ miles due South of the small town of Hatchita, New Mexico (extreme Southwest New Mexico). State highway 81 is a paved road which comes south of Hatchita up to 5 miles from the location, thereafter you exit 81 to the Southeast on an improved gravel road which goes to the Hatchet Ranch House (approx. 1¼ miles Southwest of the proposed drill site). A ranch road goes Northeast from the Ranch house and is 1000' from the proposed location.
- B. Exhibit "B" is a plat showing all existing roads within a one mile radius of the Well site, and the planned access road.
- C. A portion of the existing ranch road running Northeast from the ranch house will be repaired (one or two spots need a small amount of blading, 50 to 60 feet total), no covering or caliche will be used.

2. PLANNED ACCESS ROADS:

- A. Length and Width: A new road 12 feet wide and 1000' long will be required. This new road is labeled and colored red on the Exhibit "B" attached hereto. The road will be a straight road leaving the existing ranch road at a flag and going to the location which is staked and flagged, a distance of 1000 feet.
- B. No turnouts will be needed.
- C. No culverts will be needed.
- D. No cuts and Fills will be needed.
- E. No Gates or Cattleguards will be needed.

3. LOCATION OF EXISTING WELLS: (none)4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. If well is productive tank battery and flow lines will be located on well pad with no additional surface disturbance.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Any water needed will be purchased in Hatchita, N.M. and hauled by truck. (Well is to be drilled with air, so little or no water is expected to be needed.)

6. SOURCE OF CONSTRUCTION MATERIALS: None Needed.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill Cuttings will be disposed of in the drilling pits.
- B. Drilling fluids (if any) will be allowed to evaporate in the drilling pits, until pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, etc. will be placed in trash pit, and contained so not to be scattered by the wind, and then covered with 24" of dirt, when operations are over. (see Exhibit "C" for loc. of pit.)
- F. Trash pit, containing all the trash, waste paper, garbage & junk will be buried within 30 days after drilling is finished.

8. ANCILLARY FACILITIES:

- A. none Required.

9. WELLSITE LAYOUT:

- A. Exhibit "C" shows the relative location and dimensions of the well site pad, pits, trash pit, etc.
- B. Only very minor levelling of the wellsite will be required. no cuts, fills or covering with caliche will be needed.
- C. The reserve pit will not be lined - air will be used as a drilling medium.
- D. The location has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment, any special rehabilitation and/or revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. OTHER INFORMATION:

- A. Topography: Land surface is almost flat, a very slight slope to the Southwest. (about 40 feet per mile).

11. OTHER INFORMATION, Con't.

- B. Soil: rocky with very sparse vegetation.
- C. Flora and Faunna: Very sparse, small mesquite, yucca, and a small amount of native range grass. Wildlife is also sparse, typical of arid desert land, being coyotes, rabbits, rodents, and reptiles
- D. Ponds and Streams: none.
- E. Residences and Structures: the nearest occupied dwelling is a ranch house (Hatchet Ranch or Everhart Ranch) about 1¼ miles Southwest of the location.
- F. Land Use: Very sparse grazing. (ranch road used as a gargage dump for ranch.)
- G. Surface ownership: Federal ownership, with surface leased to M. T. Everhart.

12. OPERATOR'S RESESENTATIVE:

The field repersentative is the operator:

Bill J. Graham
P. O. Box 5321
Midland, Texas 79701
off: 915 684-6872
res: 915 684-6872

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, the the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by Bill J. Graham and his contractors and subcontractors in conforminty with this plan and the terms and conditions under which it is approved.

Date: 3-30-78

Bill J. Graham - owner
Name and title

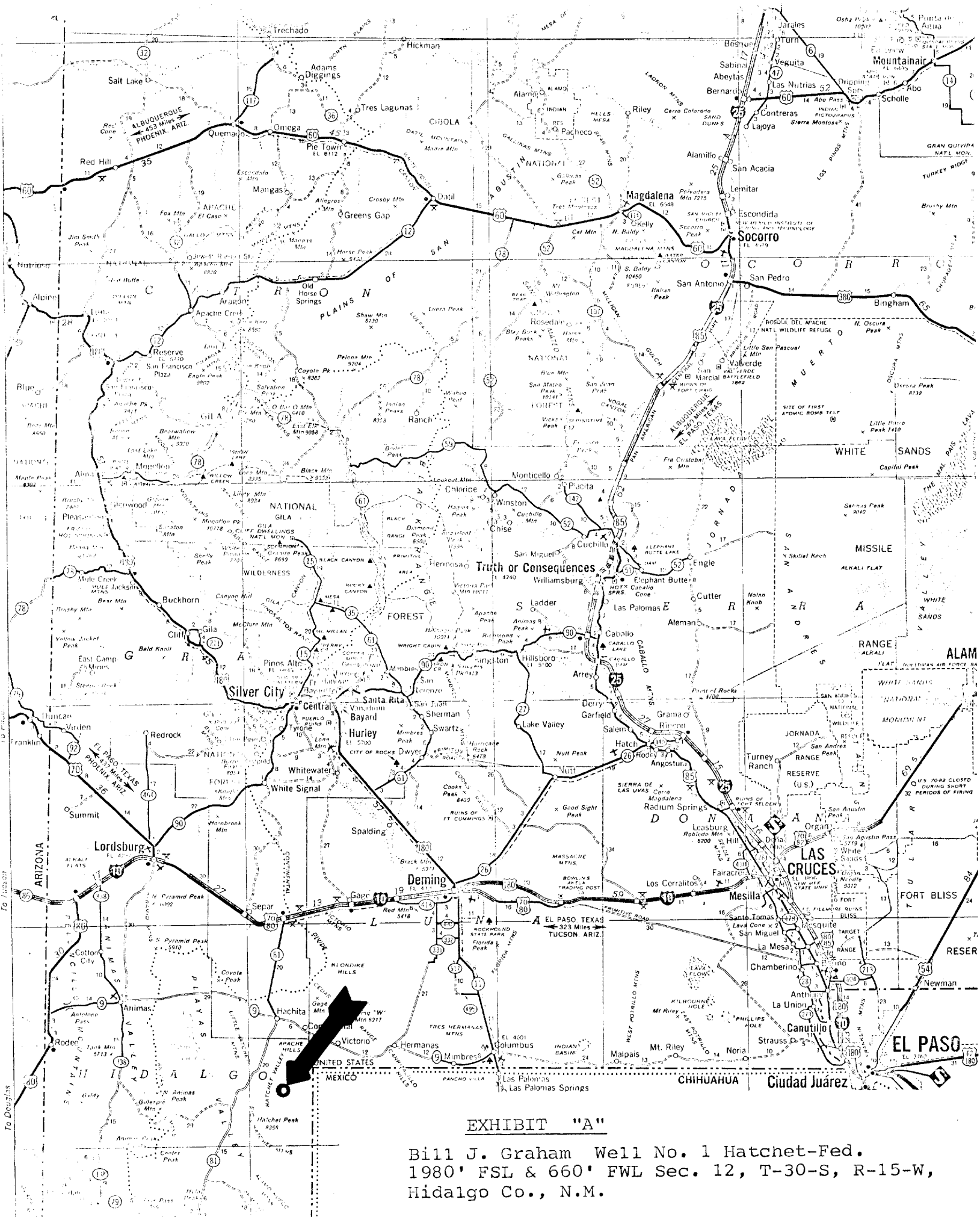


EXHIBIT "A"

Bill J. Graham Well No. 1 Hatchet-Fed.
1980' FSL & 660' FWL Sec. 12, T-30-S, R-15-W,
Hidalgo Co., N.M.

CULAK SURVEYING, INC.

121 West Hemlock
DEMING, NEW MEXICO 88030
Phone 546-8883

WENDELL W. IVINSON

Well Location, 1980 feet North of South
line, and 660 feet East of West line of
Section 12, T.30 S., R.15 W., N.M.P.M.,
Hidalgo County, New Mexico.

Scale 1" = 400'

March 16, 1978

J. Culak D. King

Found Brass Cap
West $\frac{1}{4}$ Sec. 12

660.0'
EAST

21+87.10 Ref. Steel Rod

20+87.10 Well Location Elevation 4331

19+87.10 Ref. Steel Rod

Aprox. 1000'

NORTH

1980.0'

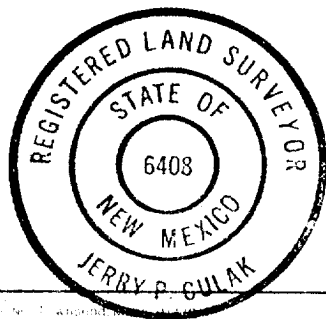
N. 18° 26' 06" E.

SW $\frac{1}{4}$ Section 12

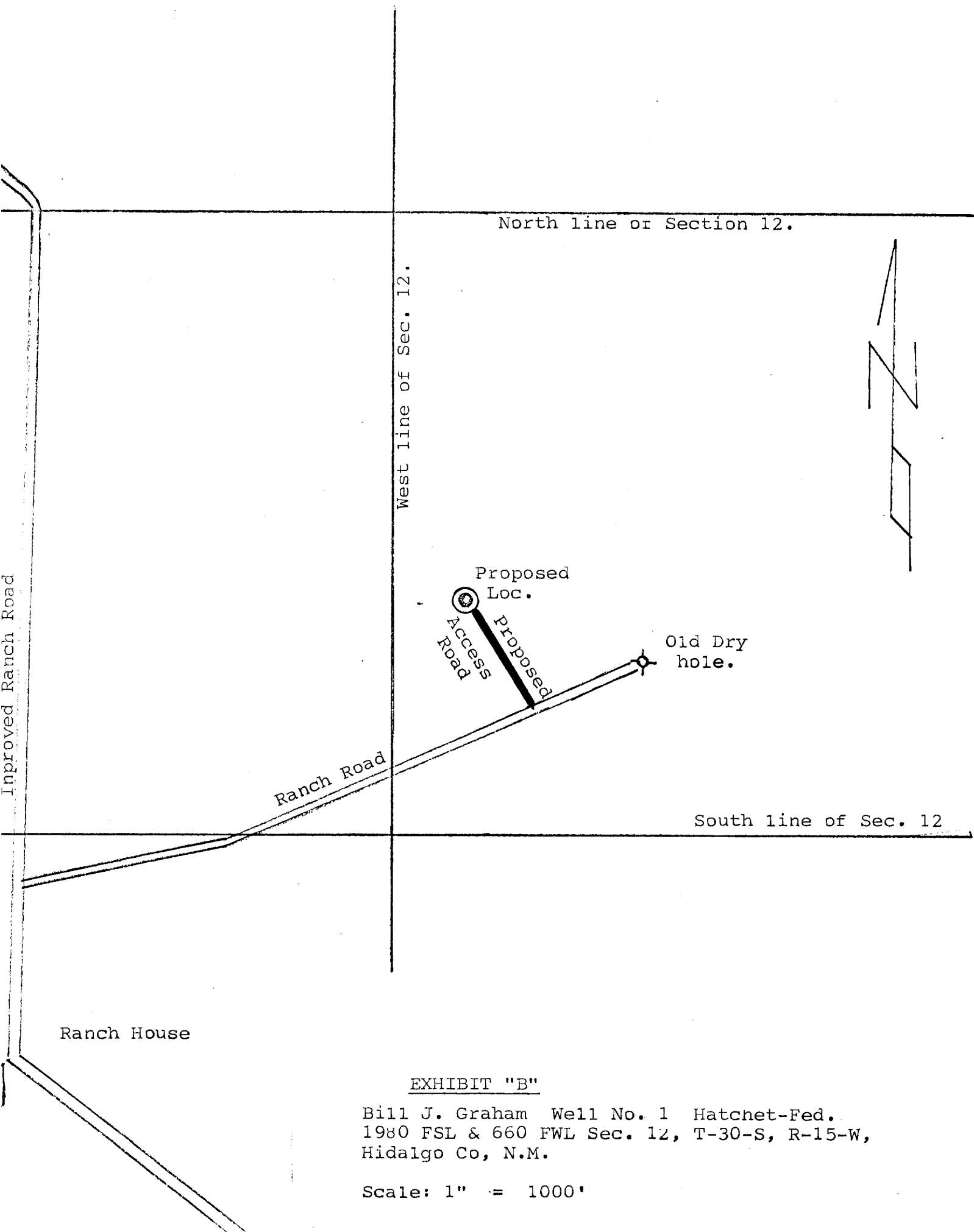
Existing road

11
12
13
14

Found Brass Cap
SW Cor. Sec. 12
Elev. 4312



Jerry P. Culak
Professional Land Surveyor
New Mexico No. 6408



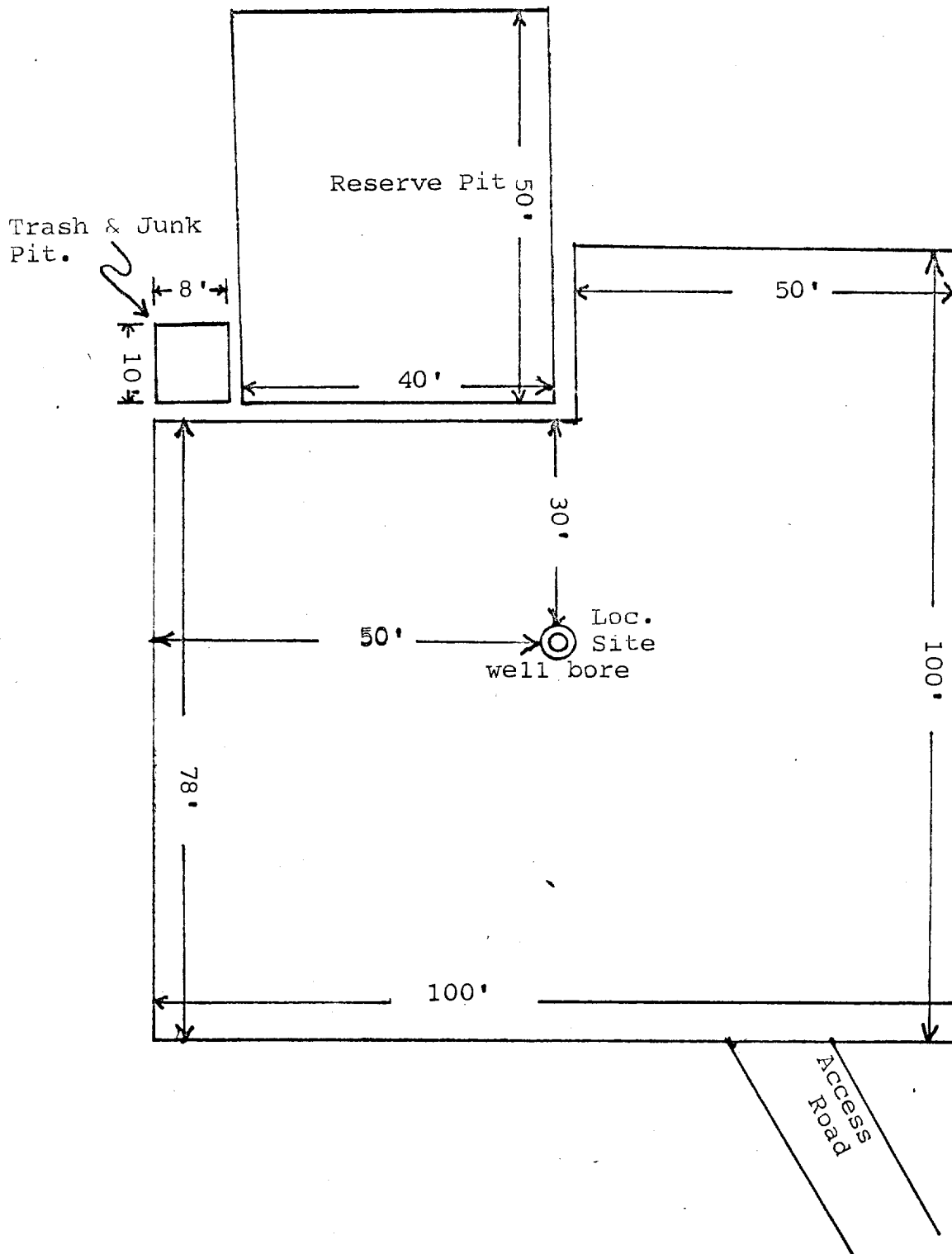


EXHIBIT "C"

Bill J. Graham Well No. 1, Hatchet-Fed.
 1980 FSL & 660 FWL Sec. 12, T-30-S, R-15-W,
 Hidalgo Co., N.M.

Scale: 1" = 20 feet.