

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  
DIETRICH EXPLORATION CO.

3. ADDRESS OF OPERATOR  
602 Midland Savings Bldg., 444 17th St., Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface 1850'/S and 1850'/E  
At proposed prod. zone same

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

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6088 GL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	7"	23	80	50 sk
4 3/4	2.875	6.5	1300	100 sk

(See Attachments)

Gas under this lease is not dedicated to a contract.

AUG 30 1979  
OIL CON. COM.  
DIST. 3

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 John Alexander TITLE AGENT DATE 08/01/79  
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY CONDITIONS OF APPROVAL, IF ANY: TITLE DATE

ok Frank

W. M. M. O. C.

30-045-23748  
5. LEASE DESIGNATION AND SERIAL NO.  
NOO-14-20-8377  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
SAMMIE NEAL  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
DIETRICH EXPLORATION 28J  
9. WELL NO.  
2  
10. FIELD AND POOL, OR WILDCAT  
NIP P.C. - FRUITLAND  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
SEC. 28-26N-12W  
12. COUNTY OR PARISH  
SAN JUAN  
13. STATE  
NEW MEXICO

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.

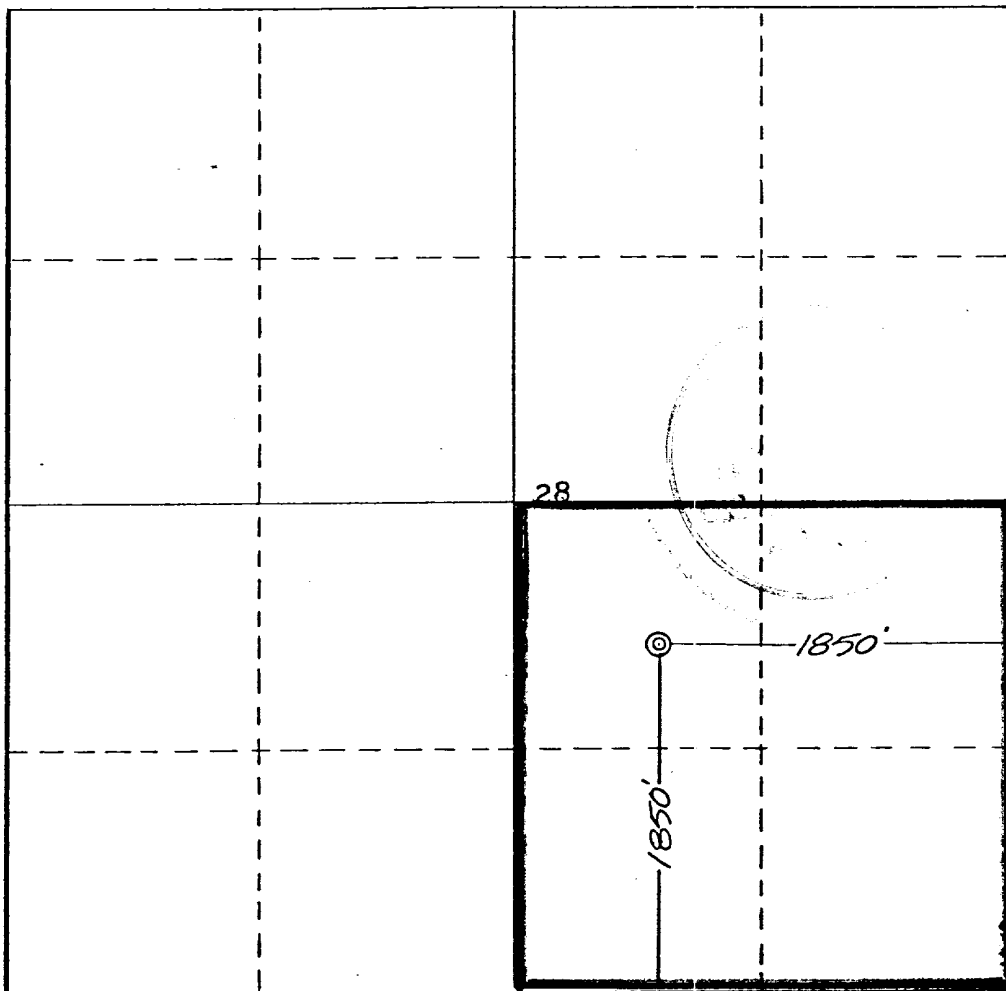
Operator <b>DIETRICH EXPLORATION</b>			Lease <b>28-J</b>		Well No. <b>2</b>
Unit Letter <b>J</b>	Section <b>28</b>	Township <b>26 NORTH</b>	Range <b>12 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>SOUTH</b> line and <b>1850</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6088</b>	Producing Formation <b>PICTURED CLIFFS</b>		Pool <b>WAW PICTURED CLIFFS-FRUITLAND</b>	Dedicated Acreage: <b>160</b> 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 \_\_\_\_\_

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.

*John Alexander*  
Name

JOHN ALEXANDER

Position

AGENT

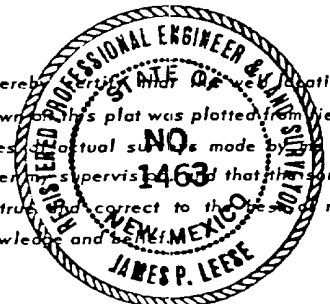
Company

DIETRICH EXPLORATION

Date

AUGUST 1, 1979

I hereby certify that the information shown on this plat was plotted from field notes, that actual survey was 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

July 25, 1979

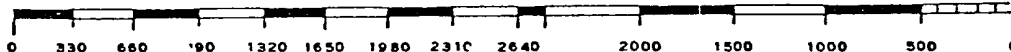
Registered Professional Engineer and/or Land Surveyor

*James P. Lease*

James P. Lease

Certificate No.

1463



DIETRICH EXPLORATION CO.  
FORMATION INFORMATION AND DRILLING PRACTICE

WELL: DIETRICH EXPLORATION 28J No.2  
LOCATION: 1850'/S and 1850'/E  
SEC.28- T26N- R12W  
San Juan County, New Mexico

1. Geologic name of surface formation

Animas S.S.

2. Estimated tops of important geologic markers.

FRUITLAND      609'                      PICTURED CLIFFS      1179'

3. Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected.

1179' - GAS

4. Proposed casing program.

Surface:                      7", 23#, K-55, new casing to be set at 80'. Cement will be with 50 sacks class "B" + 2% CaCl<sub>2</sub>.

Production:                2 7/8" 6.5# new casing, cement will be 100 sacks class "B".

5. Specifications for pressure control equipment.

The attached schematic shows the type of blowout preventer to be used while drilling. The unit will be tested to 200 psi as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6. Drilling fluids.

Depth	Type	Viscosity	Weight	Fluid Loss (cc)
0-88	Gel-Lime	35-45	8.6-9.0	N/C
80-1300	Gel-Chem	35-40	8.8-9.4	8

7. Auxiliary Equipment

- a. bit float
- b. full opening stabbing valve to be used when kelly is not in the string

8. Logging- Coring- Testing

Logging: Induction Electric Log, Formation Compensated Density, Gamma Ray, Caliper

Coring: None

Drill Stem Testing: None

9. Abnormal temperatures, pressures, or hazardous conditions

None expected.

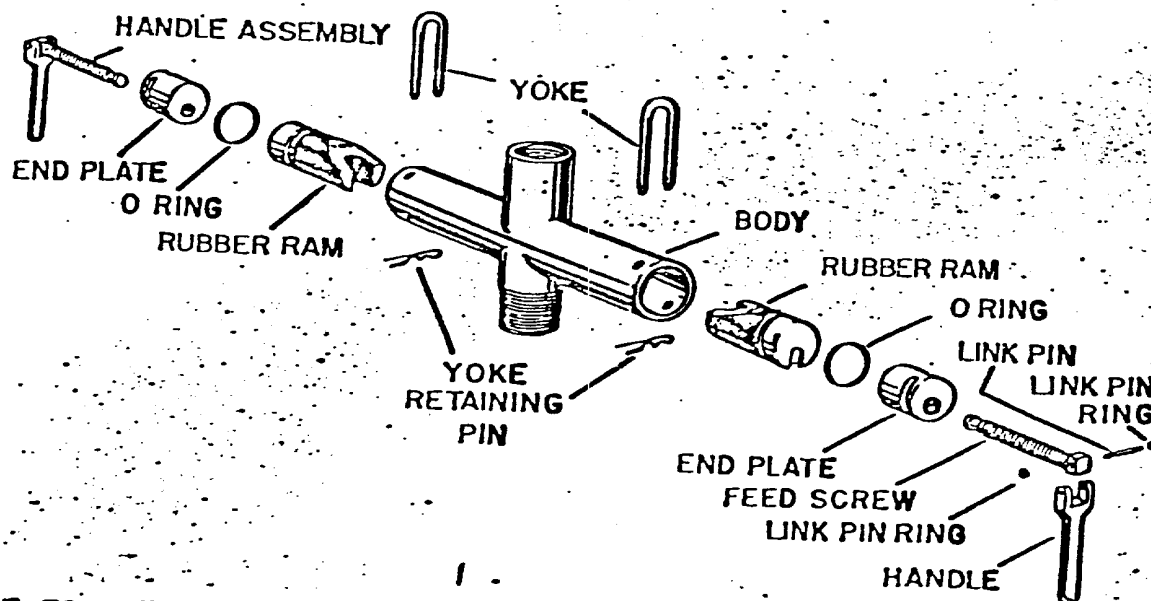
10. Starting date.

Anticipated starting date is September 1, 1979. Approximately six days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require two days.

# G TUBING BLOWOUT PREVENTERS

## G BLOWOUT PREVENTER RAMS

PREVENTER SIZE	2-3/8"	2-7/8"	3-1/2"
RAM I.D. INCHES	Part No.	Part No.	Part No.
Blank .....	28262	28263	28264
9/16" .....	59383	45019	59388
5/8" .....	44948	44969	59393
3/4" .....	59391	41502	59410
7/8" .....	59392	54571	59389
1" .....	59384	59386	45903
1.050" .....	44949	41424	45056
1-1/8" .....	28354	28336	28365
1-1/4" .....	28355	28331	28366
1.315" .....	45055	44109	44057
1-3/8" .....	44730	59387	44964
1-1/2" .....	28356	28337	28367
1-5/8" .....	59385	46780	59390
1.660" .....	45462	43629	44963
1-3/4" .....	28357	28346	28368
1.900" .....	45463	43630	45609
2.063" .....	.....	.....	59394



ATTACHMENT TO POINT 5  
I SERIES 6" 600

DIETRICH EXPLORATION CO.

DEVELOPMENT PLAN FOR SURFACE USE

WELL: DIETRICH EXPLORATION 28J #2

Location: 1850'/S and 1850'/E

S 28-T26N-R12W

San Juan Co., N.M.

1. Existing Roads (shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. All roads are in fair condition and will require a minimal amount of work to upgrade them to handle normal drilling activity traffic.

2. Planned access road. (shown in red)

The new access road will be approximately 20' wide and 2500' long. No cut, fill, turnouts, or culverts will be needed. No fences, gates or cattleguards will be crossed. Maximum grade will be 5%. Water bars will be used where needed to aid drainage and help prevent erosion.

3. Location of Existing Wells

All wells (water, abandoned, disposal and drilling) are shown and so labeled on the attached section layout.

4. Location of Existing Production Facilities

All production facilities for this well will be located on the site. All tank batteries, production facilities or production gathering and service lines within one mile of the proposed location are shown on the attached section layout.

5. Location and Type of Water Supply.

Water for drilling will be trucked from Chaco Plant, approximately one mile north of the location. This water is privately owned.

6. Source of Construction Material

Any construction material required for road or location will be excess material accumulated during building of such sites.

7. Methods of Handling Waste Material

(Refer to attached well site layout)

All material that can be safely burned will be so disposed of when weather conditions permit. All nonburnable waste (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit until dry, and then buried. Any oil that accumulated on the pit will be removed prior to leaving the pit to dry. Pits will be fenced during dryout, then completely back-filled with dirt prior to preparing the location for production or abandonment. Any solid waste that can not be buried will be taken from the location and properly destroyed. All portable chemical toilets will be supplied for human waste.

8. Ancillary facilities.

None planned.

9. Well Site Layout

The attached layout shows the drilling rig with all supporting facilities. Cut and fill, required for pad construction, is also shown.

10. Plans for Restoration of Surface

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting. Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both road and location will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of location not needed for operation will be repquired as above. The portion of the location needed for daily production operations, and the access road, will be kept in good repair and clean.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, and proper disposal of any nonburnable material that cannot be safely buried. Any oil that has accumulated on the pits will be trucked away.

11. Other Information

General topography of the area may be seen on the attached map.

This location is on level ground approximately 1/4 mile south of a prominent wash. The area is covered with native brush and grasses. There is evidence of small animal life in the area.

Surface at this location belongs to the Navajo Irrigation Project and is administered by the BIA.

There are no occupied dwellings in the area.

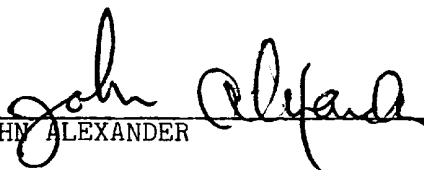
There were no archeological or cultural sites visible on the location. The archeologist's report is forthcoming.

12. John Alexander  
3E Company, Inc.  
Box 190  
Farmington, NM 87401  
Phone: 505-327-4020

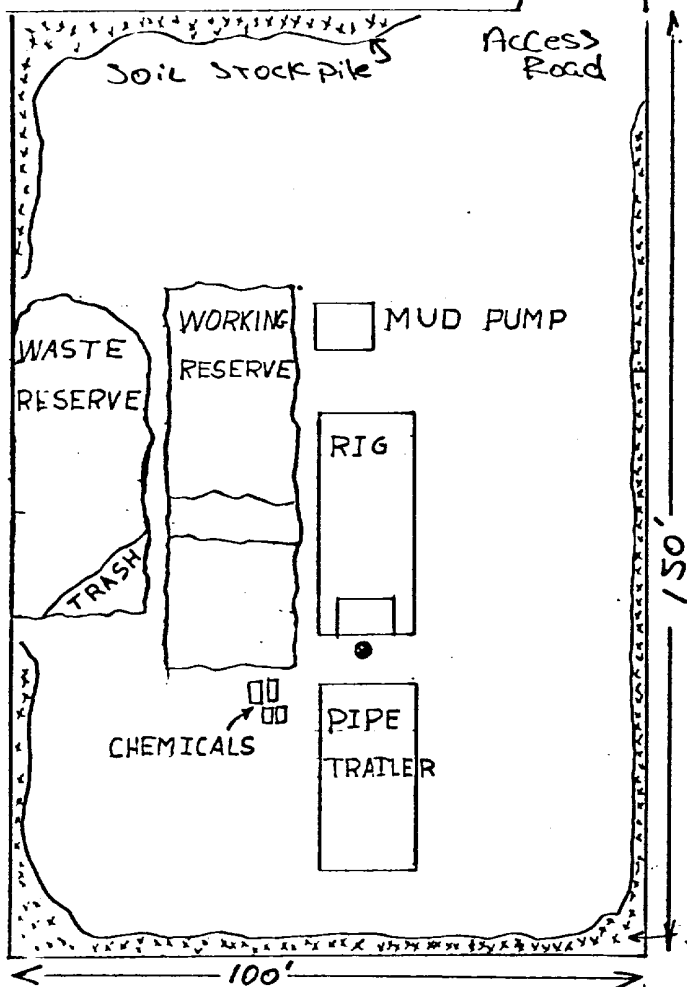
13. I hereby certify that I or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are to the best of my knowledge, true and correct; and, that the work associated with the operation proposed herein will be performed by Dietrich Exploration Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

August 1, 1979

JA/cp

  
JOHN ALEXANDER

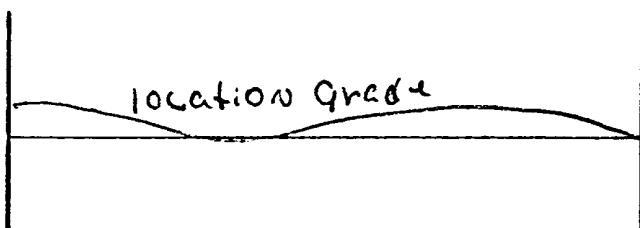




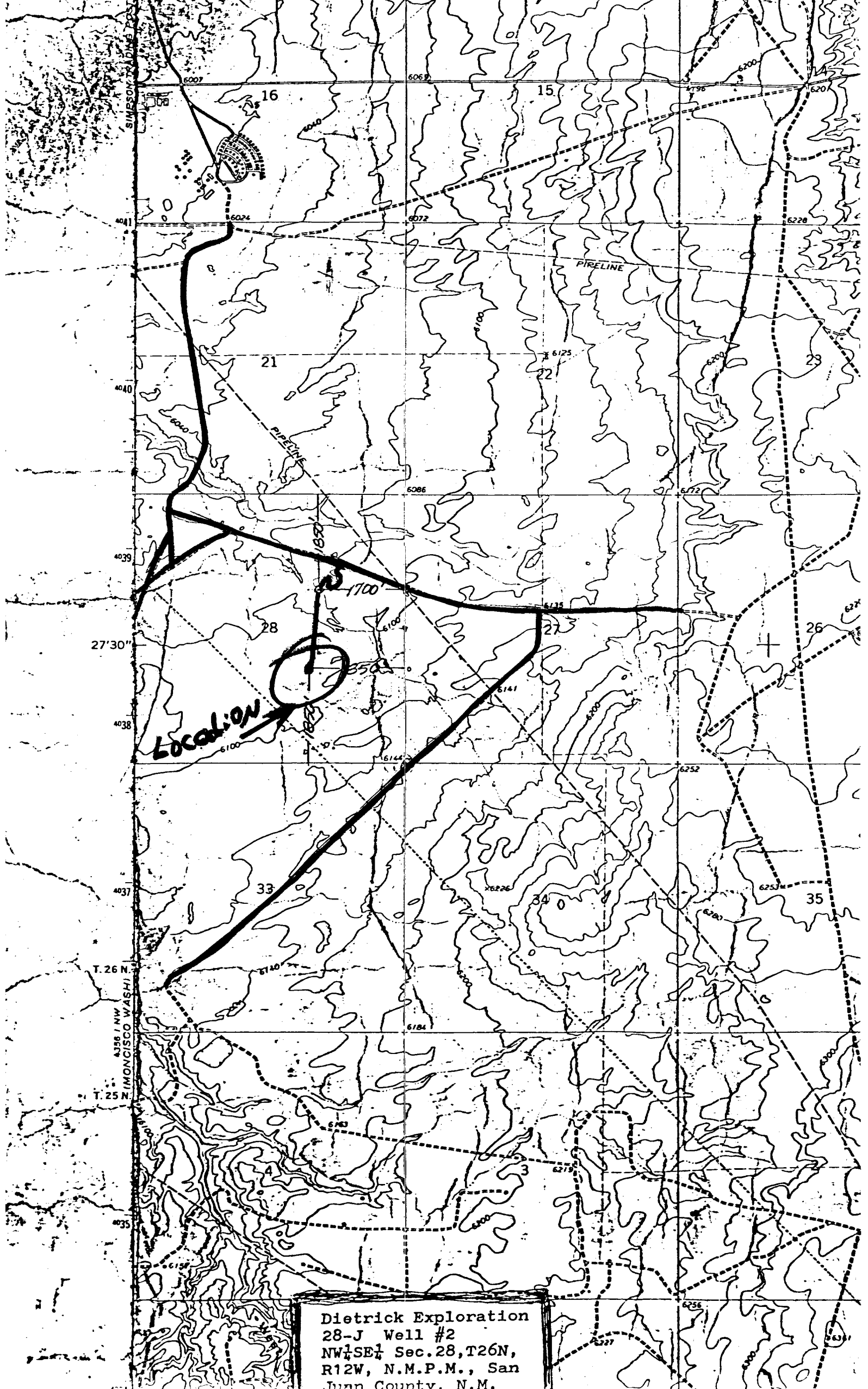
SOIL MATERIAL STOCKPILE

Vertical Scale 1" = 10'

PLAN VIEW 1" = 30'  
ALL PITS: EARTHEN



WELL SITE LAYOUT  
DIETRICH EXPLORATION  
38 J NO. 2



Dietrick Exploration  
28-J Well #2  
NW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec.28,T26N,  
R12W, N.M.P.M., San  
Juan County, N.M.