

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'/N and 1700'/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.

16. NO. OF ACRES IN LEASE

160

19. PROPOSED DEPTH

1300

17. NO. OF ACRES ASSIGNED

160

20. ROTARY OR CABLE TOOLS

ROTARY

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

6071

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	22. APPROX. DATE WORK WILL START*
12 1/4	7"	23	80	50	
4 3/4	2.875	6.5	1300	100	

(See attachments)

Gas under this lease is not dedicated to a contract.

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
JOHN ALEXANDER

TITLE

AGENT

DATE

8/1/79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*ok Ench**WYMOCC*

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.

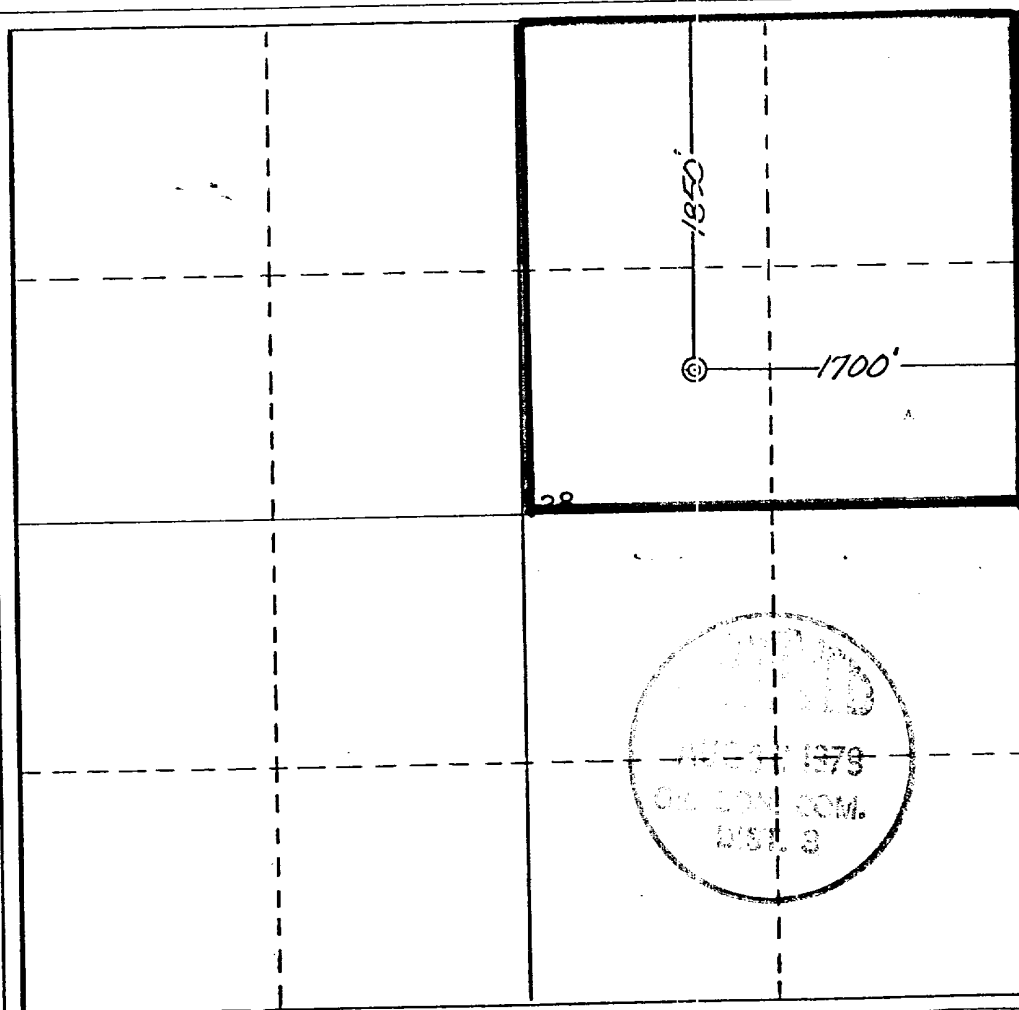
Operator DIETRICH EXPLORATION		Lease 28-G		Well No. 1
Unit Letter G	Section 28	Township 26 NORTH	Range 12 WEST	County SAN JUAN
Actual Footage Location of Well: 1850 feet from the NORTH line and 1700 feet from the EAST line				
Ground Level Elev. 6071	Producing Formation PICTURED CLIFFS	Pool WAW PICTURED CLIFFS - FRUITLAND	Dedicated Acreage: 160 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

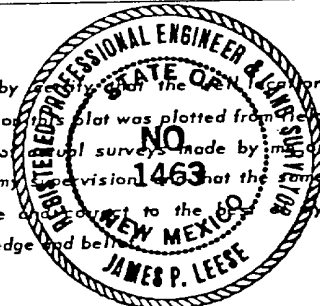
JOHN ALEXANDER

Position
AGENT

Company
DIETRICH EXPLORATION

Date
August 1, 1979

I hereby certify that the information shown on this plat was plotted from field notes of actual surveys made by me under my supervision and that the same is true and correct to the best of my knowledge and belief.

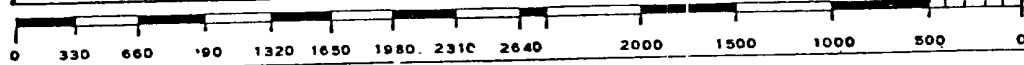


Date Surveyed
July 25, 1979

Registered Professional Engineer
and of Land Surveyor

James P. Lease
James P. Lease

Certificate No.
1463



DIETRICH EXPLORATION CO.
FORMATION INFORMATION AND DRILLING PRACTICES

WELL: Dietrich Exploration 28 G #1
LOCATION: 1850'/N and 1700'/E
S 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 592'

Pictured Cliffs 1162'

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

1162' 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% CaCl₂.

Production: 2 7/8" 6.5# new casing to be set at 1300' and cemented with 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.

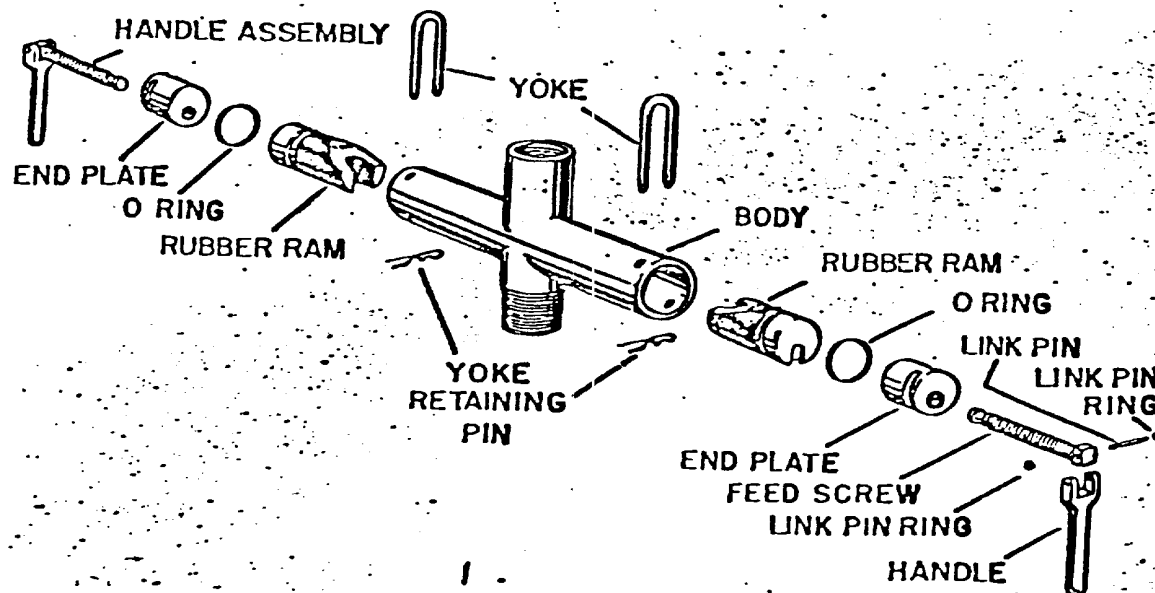
10. Starting date

Anticipated starting date is September 5, 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".....	59394	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 28G #1

Location: 1850'/N and 1700'/E
S28-T26N-R12W
San Juan County, New Mexico

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 700' long. No cut, fill, turnouts or culverts will be needed. No fences, gates or cattle guards 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 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 accumulates on the pit will be removed prior to leaving the pit to dry. Pits will be fenced during dryout, then completely backfilled with dirt prior to preparing the location for production or abandonment. Any solid waste that cannot be buried will be taken from the location and properly destroyed. All portable chemical toilet 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 wellsite 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 repaired as above. The portion of the location needed for daily production operations, and the access road, will be kept in good repair and clean.

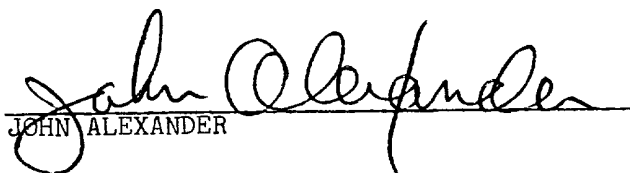
In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, and proper disposal of any nonburnable material that cannot be safely buried. Any oil that has accumulated on the pits will be trucked away.

11. Other Information

General topography of the area may be seen on the attached map. This location is just east of a prominent wash that appears to flow at times. The area is level and covered with native brush and grasses. There is evidence of small animal life in the area.

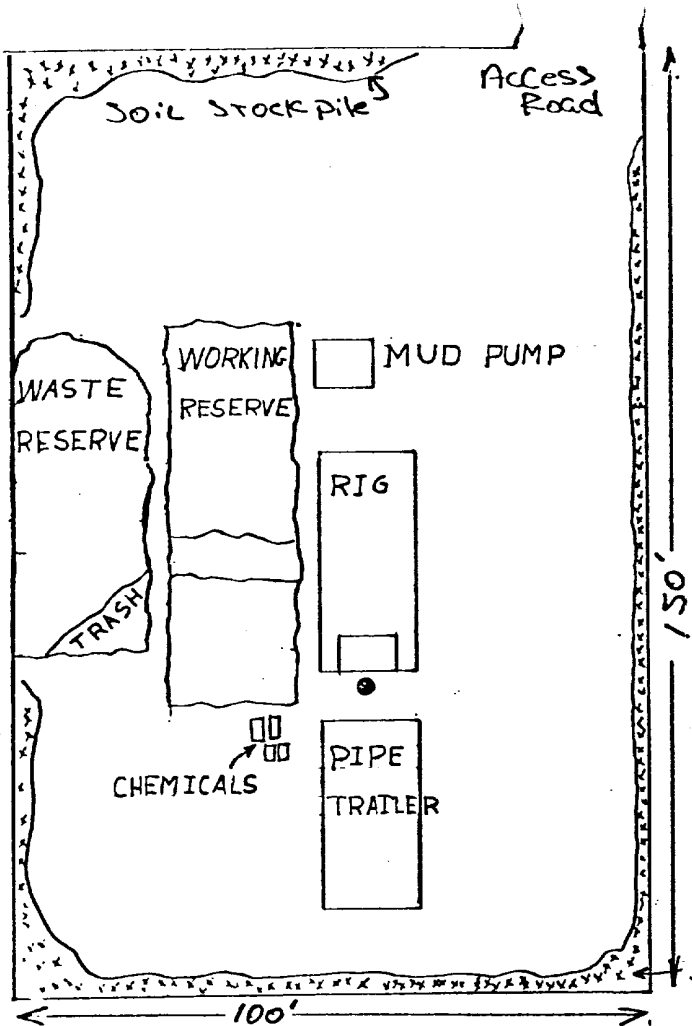
12. John Alexander
3E Company, Inc.
Box 190
Farmington, New Mex. 87401
Phone: 505-327-4020

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 operations 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.


JOHN ALEXANDER

August 1, 1979

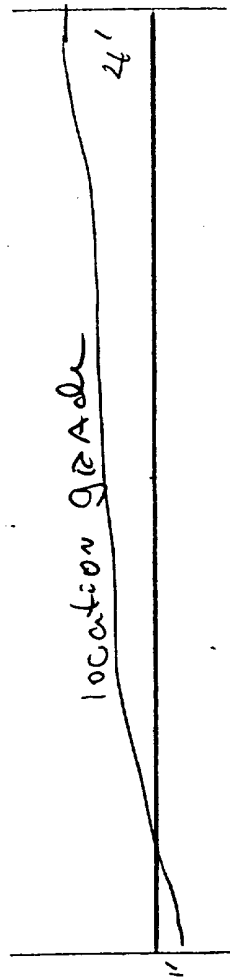
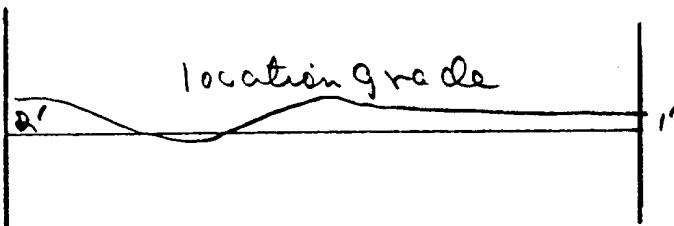
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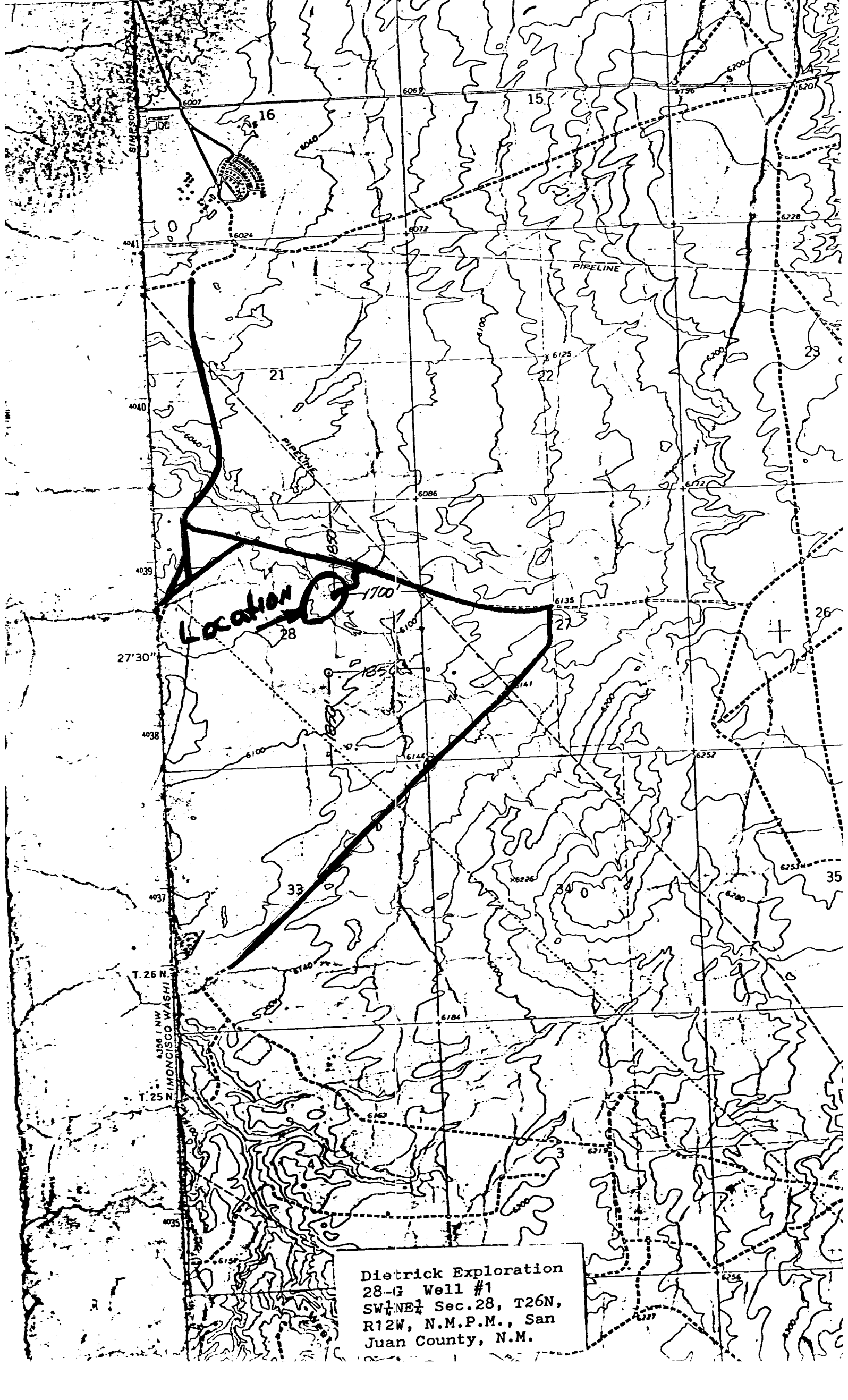


PLAN VIEW 1"=30'
ALL PITS-EARTHEN

SOIL MATERIAL STOCKPILE
Vertical Scale 1"=10'

WELL SITE LAYOUT
DIETRICH EXPLORATION 386
NO.1





Dietrick Exploration
28-G Well #1
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28, T26N,
R12W, N.M.P.M., San
Juan County, N.M.