Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-23054

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Energetics, Inc.

3. ADDRESS OF OPERATOR
333 W. Hampden Avenue, Suite 1010, Englewood, Colorado 80110

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 1915' FSL & 535' FEL
At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.
MOO-C-1420-1720

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Mountain Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute 14

9. WELL NO.
43

10. FIELD AND POOL, OR WILDCAT
Verde Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T31N-R15W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

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)

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

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

19. PROPOSED DEPTH
2800

20. ROTARY OR CABLE TOOLS
Rotary & Cable Tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5838 gr.

22. APPROX. DATE WORK WILL START*
December 10, 1978

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	32	100	100 Sk.
7 7/8	5 1/2	15.5	2600	330 Sk.
4 3/4	Open Hole		2600-2800	

(See Attachments)

RECEIVED
OCT 20 1978
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 10-6-78
John Alexander

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

RECEIVED
OCT 19 1978
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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	Lease	Well No.
ENERGETICS, INC.	UTE 14	43

Unit Letter	Section	Township	Range	County
I	14	31N	15W	San Juan

Actual Footage Location of Well:
1915 feet from the South line and 535 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5838	GALLUP	Verde Gallup	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

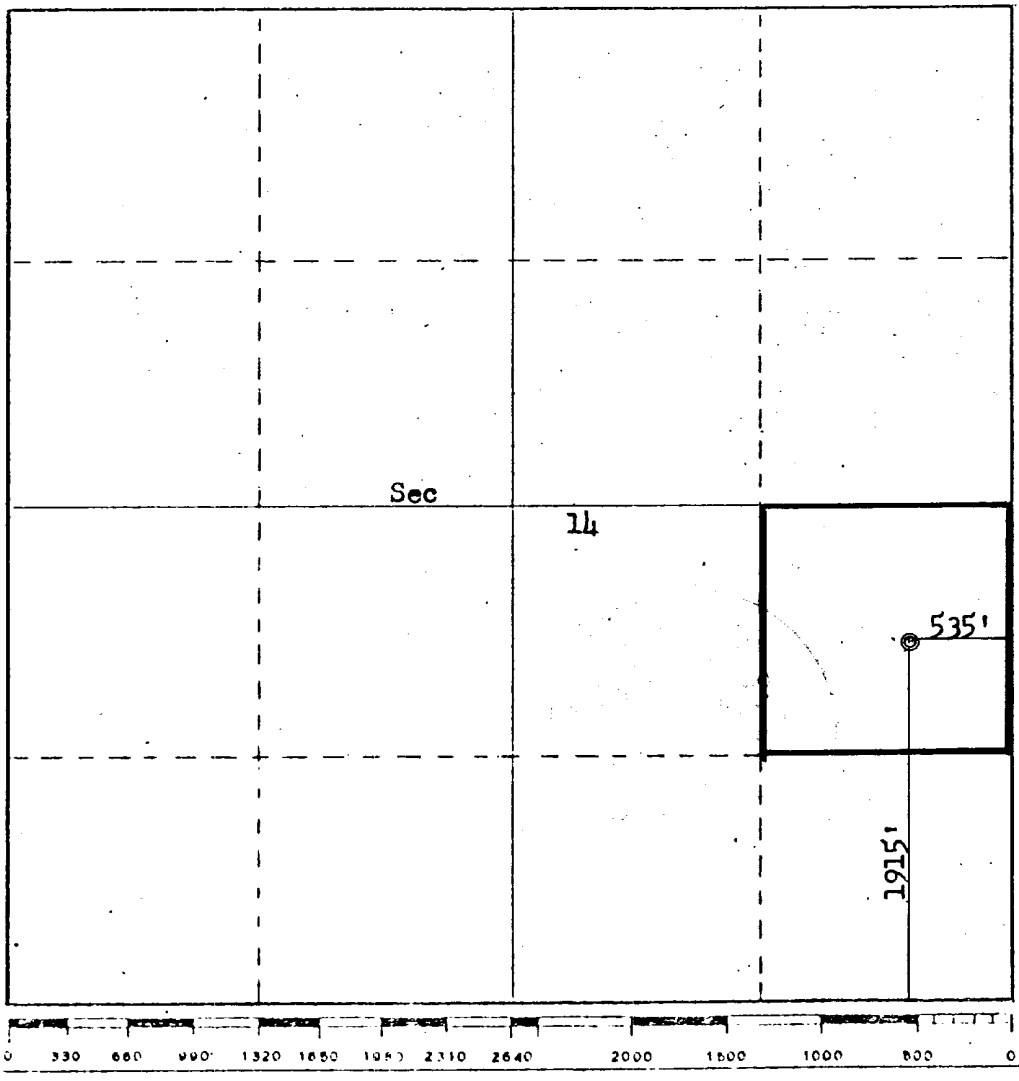
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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
Agent

Position
Energetics, Inc.

Company
October 6, 1978

Date

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
September 7, 1978

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Fred B. Kerr, Jr.

Certificate No.
3950

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
STATE OF NEW MEXICO
3950
FRED B. KERR, JR.

ENERGETICS, INCORPORATED

FORMATION INFORMATION AND DRILLING PRACTICES

WELL:

Ute 14 No. 43

LOCATION:

1915 FSL & 535' FEL
Sec. 14, T31N, R15W
San Juan County, N.M.

LEASE NO.:

MOO-C-1420-1720

1. Surface formation.

Menefee

2. Estimated tops of important geologic markers.

Point Lookout	887
Mancos	1271
Gallup	2600

3. Hydro-carbon, water or mineral bearing formation.

2600' Oil

4. Proposed casing program.

0-100' 8 5/8", 32#, new casing. Cement with 100 sk. Class B + 2% $CaCl_2$.

0-2600' 5½", 15.5#, new casing. Cement with 230 sk. Halliburton Light with 6¼ lb. Gilsonite/sk. followed by 100 sk. Class B + 2% $CaCl_2$ with 6¼ lb. Gilsonite/sk.

2600-2800 Open hole (Drill with Cable Tool)

5. Specifications for pressure control equipment.

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

6. Drilling fluids.

Depth	Type	Viscosity	Weight	Fluid Loss
0-100	Gel-Lime	35-55	8.9-9.2	N/C
100-2600	Gel-Chem	30-40	8.6-9.5	10
2600-2800	Water			

7. Auxiliary equipment.

a. Bit float
B. Full opening valve for stabbing in drill pipe when the kelly is not in use.

8. Logging - Coring - Drill Stem Testing.

Logging:	Induction Electric Log, Formation Compensated Density, Gamma Ray, Caliper.
Coring:	None
Drill Stem Testing:	None

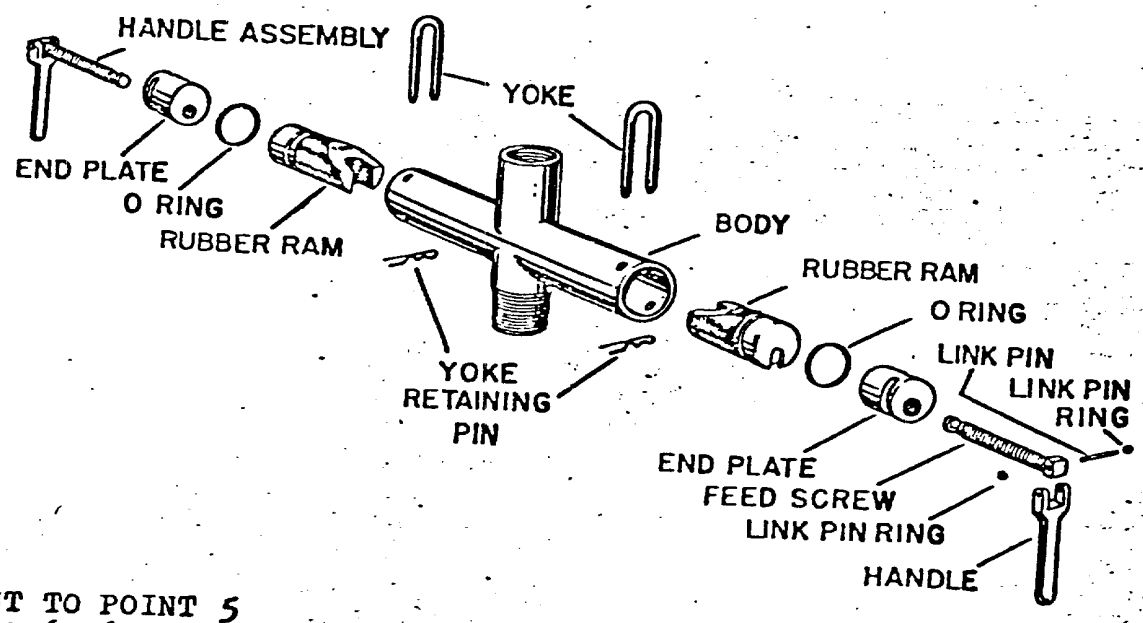
9. Abnormal temperatures, pressures, or hazardous conditions.

None expected.

10. Starting date.

Anticipated starting date is December 10, 1978. Approximately fifteen days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require approximately seven days to complete.

BLOWOUT PREVENTERS



ATTACHMENT TO POINT 5
API SERIES 6" 600

ENERGETICS, INCORPORATED

SURFACE DEVELOPMENT PLAN

WELL:

Ute 14 No. 43

LOCATION:

1915' FSL & 535' FEL
Sec14, T31N, R15W
San Juan County, N.M.

LEASE NO.:

MOO-C-1420-1720

1. Existing roads. (Shown in green.)

The attached topographic map shows all existing roads within one mile of the proposed location. Access will be made to an existing road one-four mile east of the location.

Some existing roads are in poor condition and will have to be upgraded to handle normal drilling activity traffic.

2. Planned access road. (Shown in red.)

The planned access road will be approximately one-fourth mile long and 20' wide. Maximum grade will be 5%. No turnouts or culverts will be required. Water bars will be used to aid drainage and prevent erosion. No surfacing material will be required. No gates, cattle guards, or fences will be crossed. No cuts or fills should be required.

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 tank batteries, production facilities and production, gathering and service lines.

All production facilities are to be contained within the proposed location. Energetics does not own or control any such facilities in the area.

5. Location and type of water supply.

Water for drilling will be trucked from the San Juan River located fifteen miles southeast of location. This water is not on federal land.

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 disposal.

(Refer to attached well site layout.)
All burnable material will be burned in the trash pit when conditions permit. All nonburnable material (drilling fluids, cuttings, chemicals, etc.) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, then completely back-filled with dirt prior to preparing the loation for production or abandonment.

8. Ancillary facilities.

No ancillary facilities are planned.

9. Well site layout.

The attached layout shows the drilling rig with all facilities. Cut and fill required are also indicated.

10. Plans for restoration of surface.

Restoration of well site and access road will begin within ninety days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to it's approximate former contour. The access road will be plowed and leveled. Boht site and road will have top soil replaced and will be reseeded when germination can occur.

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

In either case, clean up of the site will include burning any safely burnable material, filling of all pits, carrying away of all nonburnable material and chemicals that cannot be 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.

The drilling site is flat and is covered with sage brush and other native grasses. There are no creeks, rivers or ponds in the area. The soil is Sandy Loam. Small animals and sheep inhabit the area.

The surface is adminsitered by The Bureau of Indian Affairs and belongs to the Ute Mountain Tribe.

There are no occupied dwellings in the area.

There are no archaelogical or cultural sites visible on the location.

The archaelogist's report is forthcoming.

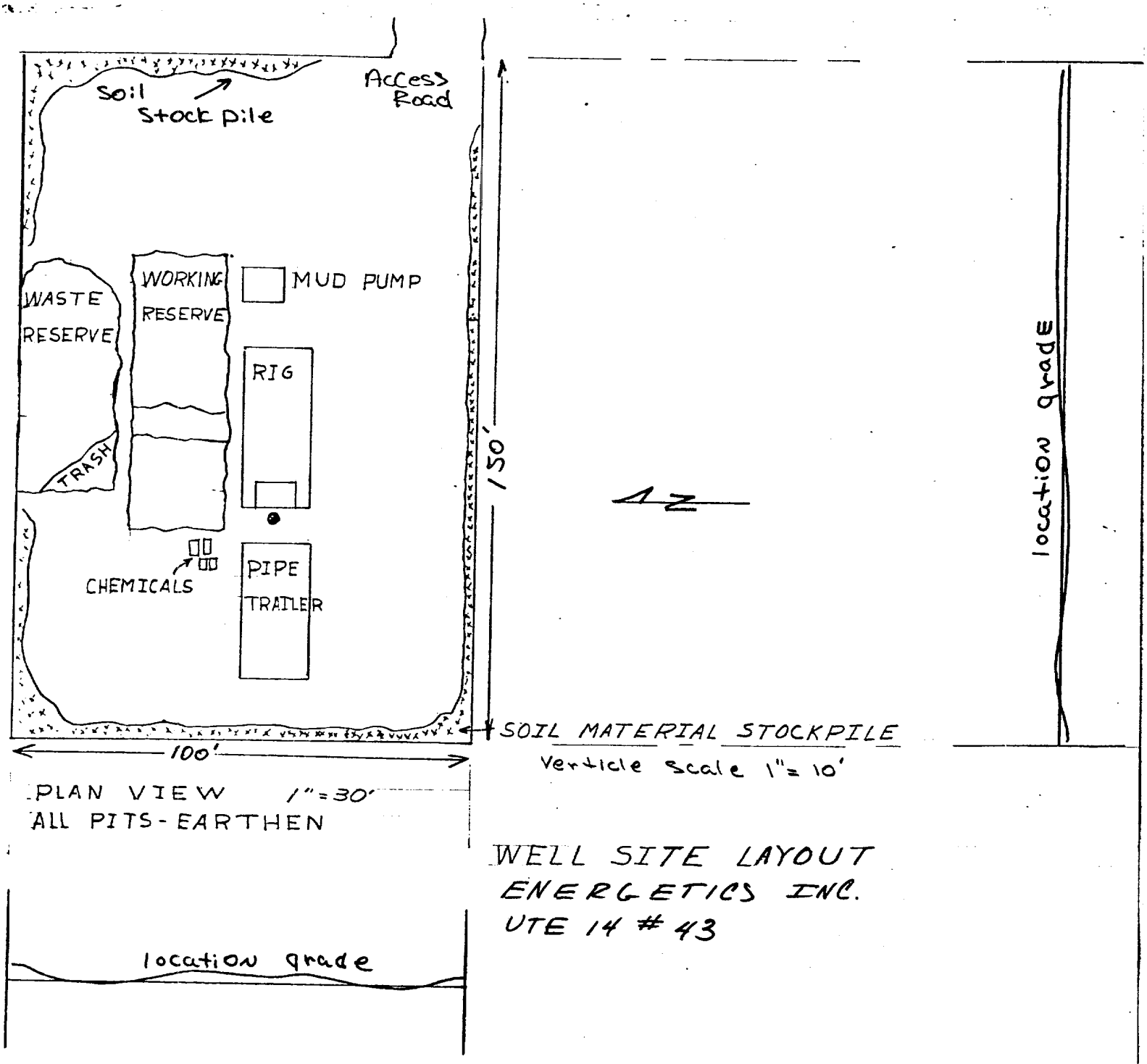
12

JOHN ALEXANDER
3E Company, Inc.
P. O. Box 190
Farmington, New Mexico 87401
Telephone: 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 Energetics, Incorporated and it's contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

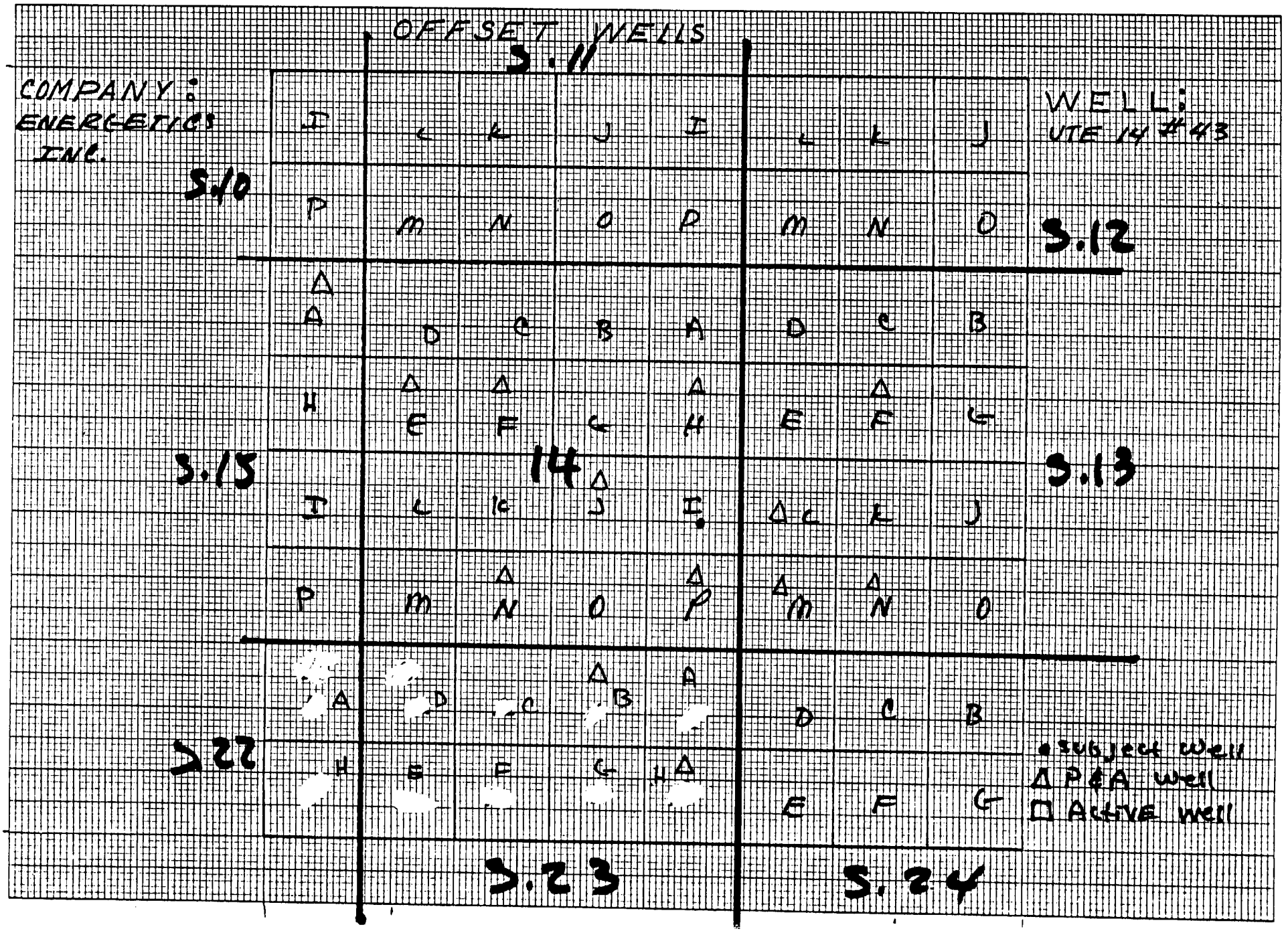
October 6, 1978

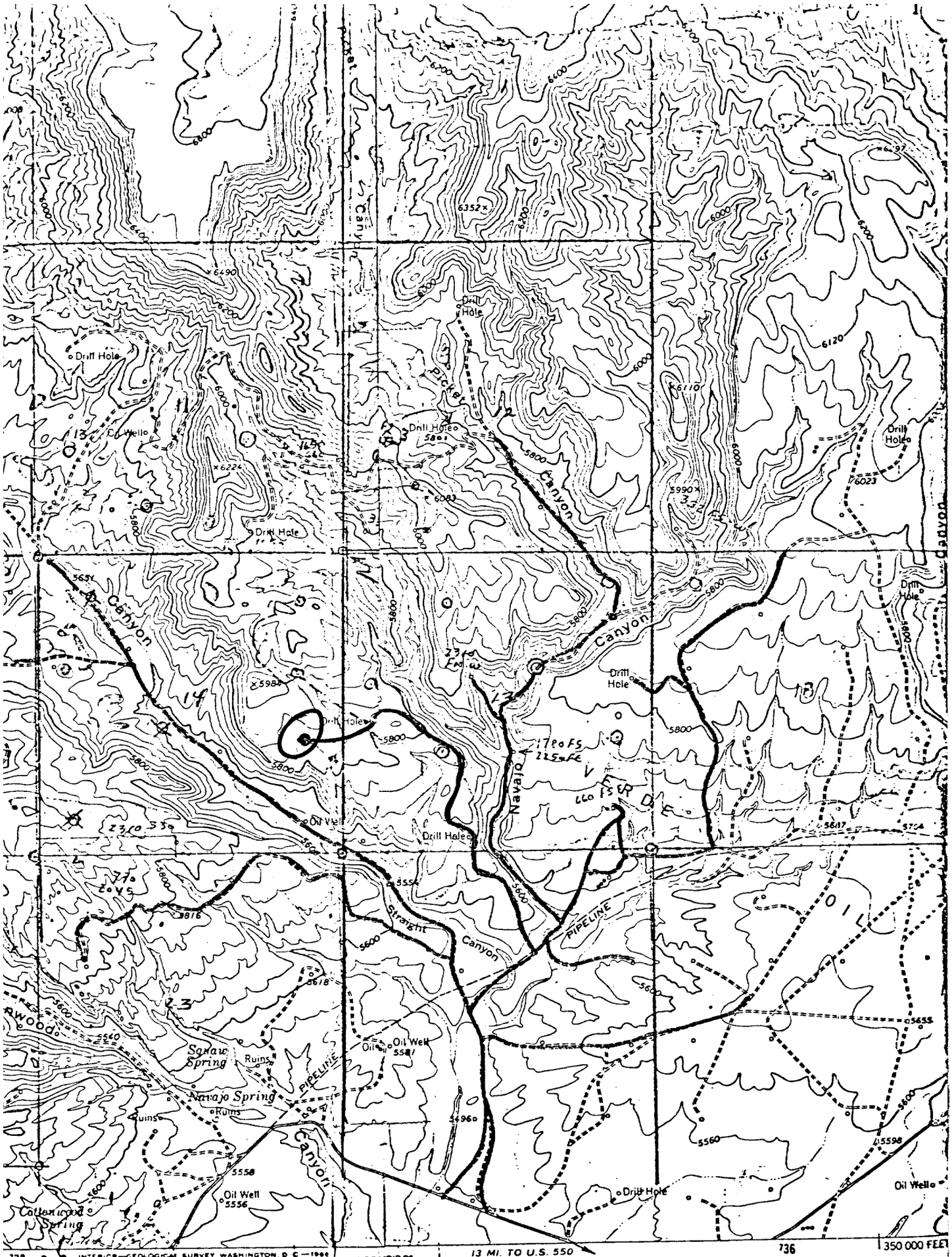
John Alexander



PLAN VIEW 1" = 30'
ALL PITS - EARTHEN

WELL SITE LAYOUT
ENERGETICS INC.
UTE 14 # 43





INTERIOR—GEOLOGICAL SURVEY WASHINGTON, D. C.—1966

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958 and 1962. Field checked 1963

Polyconic projection 1927 North American datum
10,000-foot grids based on New Mexico coordinate system, west zone and Colorado coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

1°37'
29 MILS

UTM GRID AND 1[illegible] DECLINATION AT [illegible]

ROAD CLASSIFICATION

Light-duty ——— Unimproved dirt - - - -

HEIFER POINT, N. MEX.-COLO.
N3652.5-W10822.5/7.5

1963

AMS 4357 IV NW-SERIES V881

Vicinity Map for
ENERGETICS, INC. #43 UTE 14
1915'FSL 535'FEL Sec 14-T31N-R15W
SAN JUAN COUNTY, NEW MEXICO